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Vaughan's Gardening Illustrated 1934

VAUGHAN'S MIDGET ZINNIAS
Pkt., 25c, 3 For 65c
SEE PAGE 1.

CHICAGO—10 W. RANDOLPH ST.
NEW YORK—47 BARCLAY ST.

Vaughan's
Rainbow Garden of Gladioli

Betty Nuthall

Kalamazoo

Dr. F. E. Bennett

Mrs. Von Konynenburg

Mrs. Leon Douglas

Minuet

W. H. Phipps

Golden Measure

Seafoam

Pfitzer's Triumph

One hundred flowering-size bulbs, ten each of the ten varieties illustrated on the upper portion of this page—Betty Nuthall, Kalamazoo, Dr. F. E. Bennett, Mrs. Von Konynenberg, Mrs. Leon Douglas, Minuet, W. H. Phipps, Golden Measure, Seafoam and Pfitzer's Triumph. Each variety separately bagged and labeled. Prepaid 300 miles for ..... **$2.**

VAUGHAN'S INTRODUCTIONS AT SHARPLY REDUCED PRICES

First size bulbs of the splendid new varieties illustrated herewith are offered this year at a fraction of former prices. Collection 2B, One of each, (6 Bulbs) $3.50, prep'd.

Rosa Raisa
Ea. $0.75
Doz. 7.50

Mrs. Frances L. Karcher
Ea. $ 1.00
Doz. 10.00

Cadillac
Ea. $0.75
Doz. 7.50

Tawny
Ea. $0.50
Doz. 5.00

Edith Mason
Ea. $0 15
Doz. 1.50

Dearborn
Ea. $0.50
Doz. 5.00

MRS. GARDENER WHILE PLANTING GLADIOLI IS VISITED BY THE PRESIDENT OF HER GARDEN CLUB.

Vaughan's Famous Rainbow Garden of Gladioli

WHAT CUSTOMERS SAY

Norway, Mich., Sept. 6, '33. "The Rainbow Collection of gladioli which I ordered from you last spring produced blooms which far surpassed any I ever had."—Ceil d'Arras. * * * *Addicks, Tex., Sept. 10, '33.* "Out of the Rainbow Collections I ordered from you, two of my customers grew flowers that took first and second prizes at the flower show in Houston."—Mrs. C. M. Goar, florist * * * *Delevan, Wis., Sept. 3.* "Your Rainbow gladioli bloom so I have a beautiful bouquet every Sunday for church."—Mrs. H. E. Root. * * * *Altoona, Penn., August 7, '33.* "I was lucky enough to get one of your 1933 Rainbow gladiolus collections. The flowers are magnificent and the envy of amateur gardeners."—George A. Wolf. * * * *Walkerton, Ind., Oct. 9, '33.* "I regard your 1933 Rainbow collection as highlights in gladioli, each a gem in its color class, producing long spikes thickly set with large blooms, exceeding my expectations."—A. D. Swank. * * * *Ellicott City, Md., Sept. 24, '33.* "We want to tell you about our gladioli which were the largest, prettiest, finest flowers we ever saw. There was not a florist in Baltimore who had any so large or beautiful. Daddy says he will never buy gladiolus bulbs from anybody but Vaughan's hereafter."—Mary and Edith Waters. * * * *Maysfield, Ohio.* "Your Rainbow gladioli were perfectly beautiful. Mrs. Von Konynenburg and Leon Douglas attained a height of 4½ feet and Douglas had flowers 5½ inches in diameter."—Lucille E. Day.

THE GREATEST VALUE WE HAVE EVER OFFERED

Ten Each of these Ten Varieties Each Separately Bagged and Labeled Prepaid 600 Miles For $2

THE 1934 RAINBOW GARDEN OF GLADIOLI

(Illustrated in color on cover opposite.)

BETTY NUTHALL. An outstanding prize winner. Four feet tall, with giant flowers, coral with pale orange throat and light feathering of carmine.

DR. F. E. BENNETT. One of the most consistent ribbon winners among the scarlets. Scarlet throat stippled with ruby and white. Tall straight, many flowers open at once, vigorous grower.

GOLDEN MEASURE. Very large, dark golden yellow, always a prize winner in its color.

KALAMAZOO. The outstanding violet-purple variety, creamy white throat; giant flowers.

MINUET. Finest of all in the color known as orchid, a soft lavender, of the greatest delicacy, yet a strong tall, vigorous spike with large florets, well placed and faced.

MRS. LEON DOUGLAS. Huge, bright salmon-pink flowers inclined to flake. Often 5 feet tall and probably the largest of all gladioli.

MRS. VON KONYNENBURG. Violet, a near approach to blue. A robust grower tall and strong, with six to seven flowers open at a time. Most vigorous of its color.

PFITZER'S TRIUMPH. Finest of Pfitzer's introductions, a flaming scarlet with cherry blotch in throat, giant amaryllis-like blossoms. Unrivaled in its color and unquestionably one of the finest of all varieties.

W. H. PHIPPS. Most popular of all gladioli. A blue ribbon winner, usually opening ten perfectly placed flowers together making a plume of fascinating color. La France-pink, lighter toward the center. Lower petals very faintly striped and flaked. Flowers enormous.

SEAFOAM. A graceful and beautiful white primulinus, remarkably productive. Bears 7 to 9 buds, 4 open at once; pure white petals and stamens.

Ten Giant Dahlias of Rainbow Colors

$2.50

CATALOG VALUE $5.05 PREPAID 300 MILES FOR

Varieties Included in this Offer

JANE COWL. A large flower of a warm buff and old gold blending to a bright salmon at the center. The giant flowers are held aloft on rigid stems. A superb dahlia in every way.

FORT MONMOUTH. A rich crimson maroon with a hue of bluish violet at tips of petals. The flowers are well formed, full centered, and of immense size. Free bloomer and foliage is dark green. Flowers frequently 13 in. in diameter.

MAUDE ADAMS. A pure snowy white, very effectively overlaid clear delicate pink.

AVALON. Pure, clear yellow. The large flowers are very distinct and pleasing in shape, always full to the center and produced in great abundance on strong stems.

JERSEY'S BEAUTY. Probably the most talked of dahlia. It is still in a class by itself. A perfect bloom of eosine pink, carried high above the foliage on a long, wiry stem. A perfect true pink.

DR. JOHN H. CARMAN. A large, deep, broad petaled tyrian rose flower tipped petunia and silver borne on a stiff and heavy stem 11 to 18 in. long with neck of equal strength.

MONMOUTH CHAMPION. Color a brilliant orange flame. Extra large blooms carried on perfect stems well above foliage. A consistent prize winner in every show of any importance.

MRS. IDE VER WARNER. A refined mauve-pink beautifully formed. Large blooms carried on long strong wiry stems. A free continuous bloomer.

PORTHOS. Sparkling deep red flowers of magnificent size and even form. A profuse bloomer with fine stem.

ROSE FALLON. Color dark orange tinted with amber and salmon. Massive blooms stand well above a vigorous growing bush.

After April 1 it may be necessary to change this collection. Order early to insure receiving above varieties.

Modern dahlias are the largest flowers grown in gardens. Their enormous size is attained without sacrificing delicacy and beauty. The flowers are not coarse, but as velvety as a rose, and their coloring is at once vivid and subtle in the blending of delicate tones.

Perhaps you have been deterred from growing modern dahlias by the belief that success in producing giant flowers requires special knowledge, or exacting technique. Or you may have thought that outstanding varieties, of blue ribbon rank, good enough to take the prizes at your flower show, cost considerable sums.

To produce giant dahlias is within the power of any garden owner who follows simple directions and who grows free flowering, giant varieties. The great improvement in this race of flowers which has taken place in recent years has not been due to improved culture, but to the science of plant breeding.

It is true that the ten varieties included in this offer were never before, to our knowledge, offered at such a price. Indeed, the ten tubers at our own 1934 catalog prices, listed on pages 84 and 85 of this catalog, total $5.05. To enable us to make this offer we have accumulated a special stock produced on our own farms. It is limited in size and when exhausted cannot be replaced except at much higher prices. Therefore, we are compelled to place a time limit on this offer and to reserve the right to change the collection, if necessary, after April 1.

Thus at a cost no greater than for ordinary plants you will receive roots of ten outstanding giant dahlia varieties, together with directions which explain the simple culture necessary to give them full opportunity to develop their finest flowers. If you are a dahlia fan, you will recognize at once the amazing value in this offer. If you are a novice in this fascinating branch of gardening, do not hesitate to take this easy, inexpensive way to become a grower of giant dahlias.

VAUGHAN'S SEED STORE S 34

47-49 Barclay Street, NEW YORK 601 West Jackson Blvd., CHICAGO

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NAME..... Date.....19.....
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AMOUNT ENCLOSED

(SEND NO CASH OR CURRENCY UNLESS REGISTERED)

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Make Money Orders or Checks Payable to Vaughan's Seed Store

See page 112 for our SPECIAL PREPAID OFFER, also Table of PARCEL POST RATES to different zones.

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

We do not warrant in any way, expressed or implied, the contents or the description, purity, productiveness or any other matter of any seeds, bulbs or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to the above conditions we make this sale at the moderate prices we charge.
VAUGHAN'S SEED STORE (Incorporated).
N. B. Examine seeds closely, test if desired, write us if anything is wrong and we will adjust.

QUANTITY Do not Abbreviate	NAME OF ARTICLE	SIZE	PRICE Dols.	PRICE Cts.
	Substitutes You may substitute the next best of any variety you cannot supply. Please do not substitute without first notifying me..... (Please mark a cross (X) in one of the above spaces.)			
	(Order flower Seeds by numbers only) Carried Forward,	lbs.	$	

If by mail, and PREPAID OFFER on page 112 does not apply, add postage for your Zone. (OVER)

QUANTITY	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, please order by it.	WEIGHT For Parcel Post Only	PRICE Dols.	 Cts.
	Brought Forward			

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1932.	First pound or fraction	Each additional pound or fraction
Local—Chicago or New York City	7c.	1c (2 lbs)
First and Second Zone within 150 miles of either	8c.	1.1c
Third Zone within 150 to 300 miles	9c.	2c
Fourth Zone within 300 to 600 miles	10c.	3.5c
Fifth Zone within 600 to 1000 miles	11c.	5.3c
Sixth Zone within 1000 to 1400 miles	12c.	7c
Seventh Zone within 1400 to 1800 miles	14c.	9c
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Date .... Book .... Weight ....

« « Novelties and Specialties of 1934—Annual Flowers » »

"Lord bless the woods for perfect loveliness,
For balm that heals the soul in care and stress."

WE like to fancy these beautiful lines from Arthur Guiterman's poem, "Blessing on the Woods," apply to our home gardens as well as the native woodland and we hope the same "Perfect Loveliness" will prevail in our gardens, large and small, this season.
In this our 58th Annual Catalog we have completed the colored section of our flower seeds by the addition of 43 new subjects in our perennial list. We hope these will be an assistance in becoming better acquainted with this class of interesting plants.

Radiant New Snapdragons

367 **Bertha Baur.** Charming lavender or orchid shade. Pkt., $1.00.
372 **Burgundy Beauty.** Rich dark maroon of velvety texture. Pkt., $1.00.
375 **Cheviot Maid.** Yoder Strain. A shade lighter than the original stock. Extra true, fine stem. Pkt., 50c.
402A **Velvet Beauty.** Rich American Beauty red in color, exceptionally stout stem and dark green foliage. Pkt., $1.00.

For other Forcing Varieties, see page 81.

NEW ENGLISH SNAPDRAGONS "MAJESTIC"—Half Dwarf Sorts

A new type of Snaps with flowers of the Maximum sorts and in height of the Semi-tall sorts.
315A **Avalanche.** Masses of snowy white flowers. Pkt., 25c.
316A **"Dawn O'Day."** Of an elegant upright habit, with massive hyacinth-like spikes of extra fine shape. The very large individual flowers open in a pale rose pink shade, quickly developing into a pure apricot, slightly suffused gold towards the center. Pkt., 35c.
316B **Delight.** Delicate salmon-pink. Pkt., 25c.
316 **Eldorado.** Deep golden yellow, the richest tint to date in this family. Pkt., 25c.
317 **Golden Dawn.** Golden buff overlaid salmon. Pkt., 25c.
318 **Orange King.** An exquisite blend of shades, rich terra cotta above, the lip golden yellow merging to pure deep orange at the base. Pkt., 25c.
319 **Red Chief.** Rich deep scarlet. Pkt., 25c.
323 **Rose Beauty.** A charming rose pink self. Pkt., 25c.
320 **Rose Marie.** Light salmon rose with gold center. Pkt., 25c.
321 **Sunset.** Color delightful combination of bright terra cotta above, shading gradually downward into a rosy salmon. Pkt., 25c.
322 **Twilight.** Delicate apricot with yellow and salmon shading. Pkt., 25c.
324 **Majestic Mixed.** Pkt., 25c; ⅛ oz., $1.00.

TALL LARGE FLOWERING

326 **Autumn Glow.** A selection out of Harmony. Old rose shaded terra cotta. Pkt., 25c.

MEDIUM HEIGHT, LARGE FLOWERING

384 **Flame.** Exquisite brilliant orange-scarlet self. Pkt., 25c.
394 **His Excellency.** Brilliant orange scarlet with dark throat. Pkt., 25c.
404B **Red Emperor.** Rich deep scarlet, compact habit. Pkt., 25c.
407C **Tangerine.** A brilliant attractive shade. Pkt., 25c.

ROCK HYBRIDS

A delightful new strain. The plants form compact tufts 4 to 6 inches high, completely covered with real miniature flowers. This new strain will be found invaluable for rockeries, small beds and edgings, as well as for growing as pot plants in the greenhouse.
439 **Pink Gem.** Pkt., 25c. 440 **White Gem.** Pkt., 25c.
Any 3 of the above 25 cent pkts., 65c.

ANTIRRHINUM MAJESTIC TYPE

VAUGHAN'S WORLD'S FAIR GARDEN

Below is reproduced a photograph of the garden exhibited by Vaughan's Seed Store in the Horticultural Exhibition of A Century of Progress Exposition at Chicago, 1933. More than a million visitors admired the summer flowers which were planted in striking color effects.

AGERATUM □

198 **Blue Cap.** 6 in. The flowers are much larger than those of Little Blue Star and of a deeper and richer color. It also surpasses Blue Ball in dwarfness and compactness of habit and the regular form of its inflorescence. The foliage is small and the plants have the appearance of miniature domes, so that it is quite ideal for edgings to flower borders. Pkt., 25c.

199 **Little Silver Star.** Is distinguished for its compact, close habit. The even, round, cushion-shaped plants which are only 4 to 5 inches high, measure from 8 to 10 inches across. When flowering they are so thickly covered with silver grey star-like flowers that the small light green leaves are practically hidden. The seedlings come as true as can be expected from Ageratum. Pkt., 25c.

ALONSOA □

239 **Mutisi.** Forms neat plants 18 inches in height, bearing flowers of a deep salmon-pink shade with crimson center. Pkt., 10c.

ANTHEMIS □

314 **Arabica.** Rich yellow daisy-like flowers, prettily set in slender foliage, after the manner of "Love-in-a-Mist." Excellent for edgings and dwarf borders. Height 1 ft. Pkt., 20c.

VAUGHAN'S MIDGET ZINNIAS □

ILLUSTRATED ON FRONT COVER

6126 The small-flowered Zinnias have a charm the larger ones never can attain owing to their size. The smaller flowers lend themselves to bedding and make a brilliant display and yet have stems long enough to make fine bouquets for small vases and bowls. Vaughan's Midget Zinnias is a mixture of single, semi-double and double in many attractive colors and color combinations, red tipped in gold, salmon and gold, pure gold and rich cream with many unusual intermediate shades. Pkt., 25c; 3 pkts. for 65c.

Copyright, 1934 by Vaughan's Seed Store, Chicago, Ill.

« « Novelties and Specialties of 1934—Annual Flowers » »

Aster of New Types ☐

All Saints. The plants of this new Aster form globular, compact bushes, 10 inches high and are covered with large, double, perfect, long-lasting flowers. Specially suited for pots, groups and borders.

510 **All Saints Blue.** Pkt., 25c.

511 **All Saints White.** Pkt., 25c.

646 **Scarlet King (Beacon).** The finest red Aster of all varieties. Plants stand 16 to 20 inches high and in growth resemble the Rose Aster. Every flower is fully double and the color is even more intense than Heart of France. Excellent for cutting. Pkt., 35c.

941 **Surprise "Salmongold."** When starting to flower the blossom is a pure salmon-yellow color. The fully developed blossom shows a radiating salmon-pink shade. The single blossom is 2¾ to 3½ inches in diameter, of a noble, circular form. The blossoms resemble to a certain degree the Peony flowered type with the long stems of the American Beauty. Each plant carries on the average of 40 to 50 blooms and the cut flowers remain fresh in water from two to three weeks. Pkt., 35c.

Giant Mammoth Peony Flowered

The flowers are immense, very double, borne on long, stout stems, free from laterals. Splendid for cutting as they keep longer than any other variety.

931 **Azure Fairy.** Clear azure blue.

935 **Maiden's Blush.** Delicate flesh.

936 **Peachblossom.**

937 **Rosebud.** A clear, deep rose.

934 **Swan's Down.** Pure white.

Each of above, pkt., 25c.

938 **Mixed.** Pkt., 25c; ⅛ oz.,65c.

942 **New Super Giant Los Angeles.** It is of the general habit of The Giants of California, but earlier and much larger than any of the Giants of California type yet introduced, hence the name, Super Giant Los Angeles. But, while the flowers are large, they are most artistic, due to the unusual curling and interlacing of the petals, giving a light feathery effect. The chief difference in flower form between this strain and the Giants of California is in a deeper, fuller centered flower in the new strain. The color is a pure shell pink, one that has been entirely lacking in the Giants of California. The stems are stronger than in the Giants of California, and unusually long, while no disbudding is necessary due to the non-lateral habit. Pkt., 25c.

ARCTOTIS ☐

451 **Hybrids.** This is one of the most striking of the newer introductions from South Africa. The showy daisy-like flowers, 2½-3 inches across, come in a variety of colors—orange, terra cotta, red, yellow, carmine and coppery rose. It is excellent as a border plant. 8-12 inches in height. It is best treated as a half hardy annual and thrives in the driest positions of the garden. Pkt., 25c.

452 **Scapigera.** A wonderful new annual producing flowers 3 inches in diameter, resembling those of the Shasta Daisy, of a soft lilac, on long slender stalks, about 18 inches in height. Makes delightful cut flowers. In bloom all summer and fall. Pkt., 35c.

ASCLEPIAS ☐

473 **Curassavica.** Forms a most charming and useful subject for indoor or greenhouse decoration. The inflorescences of orange-red flowers, which arise from the axils of the leaves are freely produced and of long duration, while the whole plant is of stiff and erect habit seldom requiring any form of support. Although a perennial, seed sown early produces fine specimens for first season. Pkt., 15c.

BROWALLIA ☐

1161 **Sapphire.** The Browallias have long been recognized as valuable plants for greenhouse and conservatory decoration. This new variety is a wonderfully compact little plant, not more than 9 or 10 inches high. Being extremely floriferous, sometimes bearing over a hundred dark blue flowers with a white eye, suggesting a large flowered Lobelia, it is admirably suited for indoor decoration, also, if treated as a half hardy annual it may be used for bedding during Summer months. Pkt., 50c.

942 ASTER Super Giant Los Angeles. Pkt., 25c.

CALENDULA ☐

1194 **Ball Gold** has the same long stem and extra large, uniformly double flowers that are so well known in our Ball Orange. Pkt., 25c.

1189 **Chrysantha or Sunshine.** Large, double flowers are of beautiful form and borne on exceptionally long, stout stems, while the petals are long, broad and drooping, giving the flower a globular form. Owing to its pleasing buttercup-yellow color, its remarkably distinct and informal shape and great length of stem, Chrysantha will be found ideal for interior decoration. Pkt., 25c.

1202 **Pastel Bedding Mixture.** Designed especially for the home garden, this mixture contains a balanced combination of the lighter shades of Calendulas in the dwarfer growing types. New shades of apricot, salmon, cream, and white are included as well as the better known orange and lemon shades. Pkt., 25c.

1201 **Radio Golden Beam.** New, quilled variety with golden yellow flowers. The Radio offered on page 39 is the orange color of this variety. Pkt., 15c.

1200 **Sensation.** Long stems, very double brilliant, orange flowers with a crimson or scarlet sheen. The blooms are flat in shape. Pkt., 15c.

1189 CALENDULA Chrysantha or Sunshine. Pkt., 25c.

ANNUAL CANTERBURY BELLS ☐

Many years of careful selection have at last given us an Annual Canterbury Bell which blooms from seed in less than six months. It should now be possible to have this beautiful flower in bloom at almost any time of the year. The plant grows from two to two and a half feet tall, each plant having from six to eight spikes of blooms. Annual Canterbury Bells bring spring to the garden in the fall.

1303 **Angelus Bell.** A beautiful art shade of deep rose, one of the most attractive colors that we have ever seen in Canterbury Bells. Pkt., 25c.

1304 **Liberty Bell.** An intense violet-blue in color. Pkt., 25c.

1305 **Mixed Annual Canterbury Bells.** This contains the following colors: dark and light blue, pink, rose and white. Pkt., 15c.

CHRYSANTHEMUM

1711 **Japonicum Double Anemone Flowered Finest Mixed.** The flowers which are beautifully quilled, measure from 2 to 3 inches across. In color they are extensively varied and contain wonderful assortment of gold and bronze shades which is one of the characteristics of this new strain. Blooms from seed the first year, if sown early. Pkt., 50c.

1714 **Nivelli.** This new variety produces a bushy growth, with an abundance of beautiful, pure yellow, single flowers all summer and fall. The flowers measure 2 to 3 inches across. They have long stems, and are excellent for cutting. Easily grown in any ordinary garden soil. 2½ ft. Pkt., 15c.

ANNUAL CANTERBURY BELLS

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« « Novelties and Specialties of 1934—Annual Flowers » »

1959 COSMOS Early Express Mixed. Pkt., 15c.

CELOSIA (Cockscomb) □

Lilliput. The plants attain the height of 12 inches, consisting of 15 to 20 branches of even length all terminated by brilliant feathery cockscombs. Fine for bedding and for pots. We offer in two colors.

1476 **Fire Feather.** Red. Pkt., 25c.

1477 **Golden Feather.** Yellow. Pkt., 25c.

1454 **Miracle Cockscomb Mixed.** Named because of its origin and distinctive beauty. Found as a sport among plumed celosias and developed and fixed to type by many years selection, it is the most wonderful cockscomb ever seen. Grows 2-3 ft. high without branches terminated with remarkable cockscombs of enormous size, some round, others cockscomb shape, with surface like velvet plush, others of waved or corrugated appearance. At its best September until frost. Pkt., 25c.

1470 **Spicata.** Plants are erect and grow 3 feet in height, branching freely, each stem terminating in a round, slender pointed spike of bloom, 3 to 4 inches in length and one-half inch in diameter. The flowers at first are a soft bright rose, changing to silver-white, so that a fully developed spike resembles a slender silver plume with a bright carmine tip. Pkt., 20c.

CLARKIA □

Lovely annuals, far too little known, for they are very beautiful, having been much improved in recent years. They grow 2 to 2½ feet high with leafy racemes of double flowers. May be grown in either shade or sun.

1735 **Albatross.** A very double pure white of upright growth. Pkt., 20c.

1757 **Enchantress.** A wonderful salmon pink. Pkt., 15c.

1750 **La France.** Delightful pale salmon pink. Pkt., 20c.

1761 **Salmonea Perfecta.** (New.) True salmon, extra double. Pkt., 25c.

LUPINUS Giant Hartwegii or King

CANDYTUFT □

1261 **Miniature Gem (Hyacinth Flowered Type).** The result of years of selection has produced a dainty, miniature hyacinth flowered Candytuft about three and a half inches high, each plant producing four to six spikes of pure white flowers. A perfect Miniature Gem for the rock garden. Pkt., 15c.

COLLINSIA □

1867 **Salmon Beauty.** Collinsia is one of the brightest hardy annuals grown. This new variety is of the purest salmon-rose tone, which, when grown in masses, makes a most delightful and effective decoration, worthy of a place wherever annuals are grown. Pkt., 25c.

COSMOS □

Early Express. An extra early Cosmos flowering in from 45 to 50 days from the time seed is planted. Plant grows about 2½ to 3 ft. high and is covered with medium sized flowers.

1957 **Crimson.** Pkt., 15c.

1956 **Pink.** Pkt., 15c.

1958 **White.** Pkt., 15c.

1959 **Mixed.** Pkt., 15c.

DAHLIA □

2086 **Unwin's Dwarf Hybrids.** 18 in. A valuable acquisition in annual bedding and cut flowers. Sown in March, these hybrids bloom by the end of June. They produce an abundance of graceful, semi-double flowers, and show all the fine shades that are known in Dahlias. Pkt., 25c.

2081 **Selecta, Extra Double Giant-Flowered.** A most beautiful mixture of the very best new double Dahlias, with flowers on stiff, erect stems. Pkt., (50 seeds) 50c.

To those interested in prize winning varieties we recommend these mixtures from a California hybridizer:

2083 **Salbach Choice Mixed.** 4 ft. Pkt., (100 seeds) $1.00.

2084 **Salbach Selected Mixed.** 4 ft. Pkt., (100 seeds) $2.50.

DIMORPHOTHECA □

2328 **Ringens, Double.** A double form of the beautiful single Dimorphotheca with a blue circle around the eye. The crest or double part is grey, not blue. This is rather unique, and the crest of petals in the center keeps the flower open all day. The single type closes at midday. Pkt., 25c.

ERYSIMUM □

2362 **Golden Gem.** Dwarf and compact in growth. Flowers golden yellow like a miniature yellow wallflower. A biennial that blooms early. Plant with Cheiranthus Linifolius for a charming effect. Pkt., 25c.

ESCHOLTZIA □

2390 **Sunlight.** 1 ft. Bright lemon yellow self. The Escholtzias are the hardiest of all annuals. While charming in the border, they are probably more delightful as cut flowers. Cut in the bud and allowed to open indoors, they afford a never ending source of delight as they develop. Pkt., 25c.

FELICIA AETHIOPICA (Kingfisher Daisy) □

2448E Larger flowered than Bergeriana. Bears clear sky-blue flowers right through the summer until the early frosts. 8 in. Pkt., 20c.

GILIA □

2534 **Coronopifolia.** It is an old garden favorite which seems to have gone out of fashion in this country of late years, perhaps because most women cling to pastel colors and are somewhat afraid of vivid reds. The scarlet of G. Coronopifolia, however, is such a clear, bright color, like the spot of a humming bird's throat, its feathery foliage such a delicate green, its tall spikes so slender, yet straight and elegant, that it is very beautiful, given the right setting in a midsummer garden. They have a great attraction for humming birds and song sparrows. Pkt., 35c.

GODETIA □

2581 **Sybil Sherwood.** The color is a most glorious shade of salmon-pink, blended with orange, which is softened by the delicate white border. The plant which is of robust growth of about 20 inches, is equally suited for borders, pots or cut flowers. Experience has proved that the flowers will last from 10 to 14 days and that the buds will develop fully. Pkt., 25c.

2582 **Thunderbolt.** This is without doubt the darkest crimson variety yet introduced, but there is a brilliancy in the flowers that saves it from dullness associated with so many dark flowers. The habit is dwarf and compact. Pkt. 25c.

2585 **Wild Rose.** The color is a pale pastel shade of pure rose with just that touch of carmine which makes our Wild Rose of hedgerows so beautiful and such a favorite. It grows to a height of 6 inches and is so free flowering that when a plant is in full bloom the plant is entirely hidden from view. Pkt., 25c.

2586 **White Swan.** 1 ft. New, improved pure satiny white, dwarf and compact. Pkt., 25c.

HIBISCUS TRIONUM □

2837 2 ft. An annual of easy culture blooming four months from seed. The flowers up to four inches in diameter are ivory-like, slightly flushed with violet shade and have a dark violet, nearly black center which bears the golden yellow anthers in a very attractive manner. Pkt., 25c.

HUNNEMANNIA □

2861 **Sunlite** is a double flowered poppy which is different. Its extra band of petals is produced on the outside, rather than the inside of the tulip shaped flowers, giving the impression of being open, even after the cuplike blossoms have closed for the night. The flowers are a bright canary yellow, and the foliage of the two-foot bush is a light gray-green. They like a sunny position in a well drained border and flower freely in late summer. Pkt., 25c.

LARKSPUR □

2151 **Giant Imperial Blue Bell.** Is a fine medium blue larkspur, deeper than sky blue, yet much lighter than lilac, a color up to this time lacking in the giant imperial type. The type is decidedly upright, with long basal branched flowering spikes, well adapted for cutting. Pkt., 25c.

2138 **Stock Flowered, Rosamond.** Gold Medal Variety. A pure rose color, a shade which has been entirely lacking in larkspurs up to this time. All other rose varieties have faded badly, but this one has that rare quality of holding the pure rose color until out of flower. It is very uniform in height, and comes into flower two weeks earlier than other stock flowered varieties. Pkt., 25c.

LINARIA □

3039 **Fairy Bouquet.** In mixed colors like Maroccana hybrids, except that this new strain is greatly improved by more compact growth, eight inches tall, and with extra large flowers of a great variety of distinct colors, such as rose, yellow, pink, lavender, carmine, red, violet, white and salmon. Very quick to bloom after planting, light and airy plants; flowers appear like miniature snapdragons. Pkt., 25c.

LOBELIA □

3041 **Blue Gown.** (New), clear deep blue, without eye, fine compact habit. Pkt., 25c.

3042 **Blue Stone Re-Selected.** It is the result of many years of single plant selection, and we do not hesitate to say that no finer Blue Lobelia can be had from seed. Compact habit, large flowers of brilliant mid blue, this strain is remarkably free from stragglers. Pkt., 25c.

3057 **Mrs. Clibran.** Beautiful for bedding having flowers of rich deep blue with clear, large white eye, densely produced on dwarf, compact plants. Pkt., 25c.

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3794 PANSY "Super" Maple Leaf. Pkt., $1.00. (Flowers up to 4 inches in Diameter).

3934 PETUNIA All Double Giant Fringed.

LUPINUS HARTWEGII GIANTS OR KING LUPINES ☐

3076 **King Blue.** Enormous spikes of rich Oxford Blue, enhanced by a pure white stripe in the standard of each flower. They are base-branching, with six to eight huge spikes to a plant. In beauty of size and color they match the regal Polyphyllus Lupin, but have the advantage of being annuals. The foliage is a beautiful light cress green. 3 to 4 ft. Pkt., 25c.

3077 **King White.** Enormous glistening pure white spikes of flowers. A companion to King Blue, with all its size and beauty. This Lupin is exquisitely scented. Pkt., 25c.

MARIGOLD ☐

3178 **Dwarf French Single, Fire Cross.** Undoubtedly the best plant for edging that we have ever listed. In habit it is very similar to the popular variety, Legion of Honor, but much more effective and attractive. The ground color is a deep orange-yellow, while each of the eight petals carries a large crimson-maroon blotch. Pkt., 10c.

3171 **Monarch Strain of Dwarf French Double Mixed.** New, symmetrical compact habit, comprising a wide range of fine colors including orange, bronze and mahogany. The color combinations are very glowing, giving a rich and pleasing effect to the group or border. Pkt., 15c.

3172 **Dwarf French Double Golden Ball. Monarch Strain Re-Selected.** This re-selection of an increasingly popular section of Marigold is really so advanced in color and form on the old Golden Ball that it deserves a place in our gardens. It has exceptionally large flowers for a French variety; is intensely double and the deepest orange color. Pkt., 35c.

3134 **Alldouble Orange African.** Exactly like tall African Orange Queen in size and color and comes about 90% double from seed. Pkt., 15c.

3133 **Alldouble Lemon.** Yellow, same as preceding only the color is light yellow, about 90% double. Pkt., 15c.

3126 **Double Tall African Prince of Orange.** An English selection. Claimed to be the best of the orange strain. Stiff stemmed. Pkt., 25c.

3201 **"Gnome" Miniature Marigold.** A dwarf form of Signata Pumila. The plants are more dwarf, even and compact, and produce more flowers than the type. The pretty orange colored flowers are produced all summer. Plant or thin to 6 inches apart. Pkt., 15c; 2 for 25c.

MESEMBRYANTHEMUM CRINIFLORUM (Livingstone Daisy) ☐

3222 The plants which are of slightly spreading habit, are literally covered with daisy-like flowers, measuring about 2 inches of the most delightful shades imaginable. There are pure whites tinted and edged with rose, crimson, pink and buff; and self colors including primrose, golden, buff, apricot, crimson and pink. An ideal carpet or rockery plant and a gem for edging. Will succeed admirably in crevices of crazy paving or old walls and thrives well in poor soil. Pkt., 25c.

MYOSOTIS ☐

3322 **"Blue Basket."** This is the darkest of all Forget-Me-Nots. Plants grow upright and are splendid for borders or cutting. Pkt., 20c.

NASTURTIUM LILLIPUT ☐

The plants of this group are very dwarf and compact. The flowers and leaves are small. They are fine for bedding and edging. 9 inches.

3470 **Baby Rose.** Creamy white, spotted pink.
3471 **Lady Cherry.** Wine red, dark leaved.
3472 **Ruby.** Ruby red.

Each of above: Pkt., 15c; oz., 50c.

NICOTIANA ☐

3404 **Suaveolens. (Orange Blossom).** An elegant small-flowered pure white species; delightfully scented; even, upright growth. Pkt., 35c.

Late Pansy Introductions

Pansies are one of our specialties and we are constantly on the trail of new and unusual varieties. We take pride in knowing we are the introducers of the **Swiss Giants and the Maple Leaf Giant Pansies,** both outstanding varieties.

3894 **Vaughan's Super Swiss Mixture.** We have made a special mixture from three of our growers stock. Many of the flowers are five blotched. All the vivid colors of the type are represented in their enormous size and wavy and crinkly flowers. $\frac{1}{16}$ oz., $1.40; pkt., 50c.

3895 **Dwarf Swiss Mixture.** For those who desire a dwarfer plant than the original type, we have had our grower make this selection. The colors are the same as in the original strain but the plant itself is compact, especially suited to bedding. Pkt., (250 seeds) 50c.

For other Swiss Pansies see General List in Colored Section.

3773 **"Cupid."** The flowers are small but are produced in wonderful profusion. The single flowers are perfectly round, of good substance, and all have five large blotches. Nearly all the existing Pansy colors are represented in this mixture. Owing to its compact growth "Cupid" is especially suited for borders and window boxes. Pkt., (250 seeds) 25c.

3792 **Maple Leaf Giant Mixture.** A distinct variety we introduced two years ago. It is quite different to other types. The leaves are of giant size and the flowers are up to 4 in., across, under good cultivation. Of wonderful substance and fine form. Many charming colors are included. This has been a prize winner whenever shown. Pkt., (200 seeds) 50c; 1,000 seeds, $2.00.

3794 **Vaughan's "Super" Maple Leaf Mixture.** This strain is even finer than the above, with flowers of unbelievable size and texture; larger than in any other strain, while the plants are of compact growth and the extra large foliage is a rich, dark green. Pkt., (200 seeds) $1.00; 1,000 seeds, $4.00.

3222 MESEMBRYANTHEMUM Criniflorum. Pkt., 25c.

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4662 SALVIA Splendens Harbinger. Pkt., 25c.

POPPY □

Cardinale Type (Dobbies). 2 ft. A grand double Poppy, invaluable for cutting purposes.
4246 **Chamois.** Salmon pink.
4247 **Scarlet.** Large double cardinal red.
4248 **White.** Invaluable for beds and masses, double flowers of snowy whiteness. Each of above: Pkt., 15c; ¼ oz., 50c.

RUDBECKIA □

4583 **Kelvedon Star.** A perfect long-stemmed flower for cutting—a sturdy and floriferous plant for bedding. The flowers vary both in form and coloring but all have dark brown central discs, surrounded by a shining mahogany zone on petals of deep orange. Sowings should be made in February and seedlings planted out during the second week of April. Rudbeckia Kelvedon Star is a rampant grower; reaches 3 feet in height, and should be planted 18 inches apart, with 2 feet between rows; by June it will fill in the bed and flower till cut down by frost. Pkt., 35c.

SALVIA □

4663 **Horminum, Oxford Blue.** The bracts are Oxford-blue, very broad, and of a pureness of tone that can be found in no other annual. Pkt., 25c.
4645 **Splendens Alba.** The flair for white, as displayed in white lamps, white vases and even white leather furniture, leads us naturally to white flowers to complete the picture. White Salvia seems to be a misnomer as one visualizes only the red in this type, but that is wrong. This one of pure white with a suggestion of pale pink at the tip of the unopened flower. Foliage is fresh, spring green, a very delicate and pleasing combination. Pkt., 35c.
4662 **Splendens Harbinger.** The plants are dwarf and compact in habit and the strong dark foliage is very effective against the vivid hue of the flowers; seeded in February will begin to flower in June and maintain a blaze of color until frost. Pkt., 25c; ⅛ oz., 60c.
4667 **Splendens Rocket.** 1 ft. New dwarf scarlet, upright growth. Very early. Pkt., 25c.
4684 **Farinacea Blue Bedder.** A more compact form than the original type with deeper blue flower. Pkt., 25c.

4972 STOCKS White Wonder. Pkt., 35c.

PETUNIA □

3934 **All-Double Giant Fringed Mixed.** This notable strain produces 100% double flowering Petunias mostly of the Giant Fringed type; the percentage of small flowering doubles does not exceed 22%, the remainder will be all large flowering fringed doubles. The flowers are very large, often measuring 5 inches across, exquisitely ruffled and fringed and contain a good range of brilliant colors. Pkt., 200 seeds, 50c; 500 seeds, $1.00.
3936 **Rose Queen Giant Double Fringed.** A glorious shade of bright rose-pink, with immense fringed flowers 5 to 6 inches in diameter. This is one of the most popular colors in all flowers and is glorious in a Double Petunia. It comes quite true from seed and is very double. Pkt., 200 seeds, 50c; 500 seeds, $1.00.
3937 **Rose Pink and White, Giant Double Fringed.** It is the most beautiful Double Fringed Petunia we have ever seen. It is best described as Bright Rose-Pink with a large White Frill, giving the flowers the appearance of being huge balls of Pink and White lace. Many of the flowers are 5 and 6 inches in diameter. It comes quite true and very double. Pkt., 200 seeds, 50c; 500 seeds, $1.00.
3948 **Double Dwarf Large-Flowering Fringed Mixed.** Flowers nicely frilled, very large and quite double in a fine range of colors on splendid compact plants. Pkt., 200 seeds, 50c; 500 seeds, $1.00.
3947 **Double Royal Purple.** Very fine new double variety. Pkt., 200 seeds, 50c; 500 seeds, $1.00.
3945 **Double Shepherd's Pride.** True salmon pink of peony flowered type, flowers 4 inches in diameter and will produce 50% double flowers. This is a marvelous new color in Petunias and one of the prettiest yet produced. Very compact grower and a profuse bloomer. Pkt., 200 seeds, 50c.
4026 **Dwarf Pink Gem.** It forms a neat compact plant 5 to 6 inches high, literally smothered with deep pink blooms. A plant 8 inches in diameter will carry as many as twenty-five to thirty blooms in flower at one time. Individual blooms are 2 inches in diameter. This miniature Petunia will be indispensable for borders, window boxes, pots, rock gardens and for bedding. Planted with a dwarf blue Ageratum, the effect is most charming. Pkt., 50c

Balcony Petunias. These are well known and their use for window boxes, hanging baskets, etc., established. We offer three new colors, not existing hitherto.
4036 **Corn Flower Blue,** several shades lighter than the regular Balcony Blue; Free-blooming and attractive. Pkt., 15c.
4038 **Coppery Rose,** a beautiful warm color, free bloomer. Pkt., 25c.
4039 **Netted Blue Gem.** The color is a steel blue beautifully netted or veined with a deep violet. The attractive flowers are large and cluster together making a mass effect of gorgeous color. Pkt., 25c.

4048 **Queen of the Market.** The color of this magnificent Petunia is a deep carmine red with a scarlet hue. The blooms are medium size, 3½ in., fine shape and slightly waved. They grow profusely in slender stems on freely branching plants 2 ft. high. Pkt., 35c.
4047 **Fringed Purple Beauty.** A large flower beautifully frilled of a rich and royal purple. This is the best blue Petunia. Pkt., (250 seeds) 50c.
4063 **Giants of California Camilla.** A beautiful, rather ruffled Petunia of a lovely rose-pink color; rich crimson veining forms a wide halo toward the center and runs together to form a deep purple-crimson throat. The flowers are 5 to 6 inches across. Pkt., (250 seeds) 50c.

4066 **Dwarf California Giants Mixed.** The habit of the plant is very dwarf, flowers very large and of the finest substance. All with open veined throats of the superbissma type. Very fine range of color. Pkt., 250 seeds, 50c; 1,000 seeds, $1.70.

4078 **Large-Flowering Dwarf "Setting Sun."** This is the result of a cross between Petunia grandiflora fimbriata brilliant rose and a dwarf variety. It comes true from seed and forms compact bushes 12 inches high, covered with beautifully fringed blossoms of a brilliant rose pink, measuring 3 inches across. Is a striking counterpart to Petunia White Cloud. Pkt., 250 seeds, 35c; 1,000 seeds, $1.20.

4827 STRAWBERRY RÜGEN. Pkt., 25c. From Seed Sown in Spring

SCABIOSA □

4719 **Grandiflora Fl. Pl. Cattleya.** A rich rosy-lilac of the beautiful orchid tone and a new shade for Scabiosa. The flowers are large and attractive. Cattleya will make a valuable addition to this very popular flower. Pkt., 15c.
4726 **Double Tall Blue Cockade.** Is deeper than Azure Fairy in color but the flowers are entirely devoid of any suggestion of rose. They are, in fact, the purest deep azure blue that can be found in any annual. The formation of the flower is far ahead of existing varieties and has, in fact, so great a depth as to be almost conical in shape. An excellent cut flower, being strong stemmed and free flowering. Pkt., 25c.
4739 **Improved Giant Hybrids.** Particularly large, massive blooms in an unusual number of rare colors. Pkt., 15c.

STOCKS □

4972 **White Wonder.** It is a tall growing variety of the Bismarck type in habit and season. The heads are very large and the individual flowers are closely set and of extraordinary size. Pkt., 35c.
4973 **Red Wonder.** Same habit as above. The percentage of double flowering plants is between 70 and 80. Pkt., 35c.
Excelsior Column. An excellent new class producing one stem of 2½ ft. long with a long spike of bloom, thickly set with large, double blooms. The first flowers appear when the plant is about 14 inches high.

4951 **Chamois Rose.**	4954 **Light Blue.**	4957 **White.**
4952 **Crimson.**	4955 **Rose.**	4958 **Mixed.**
4953 **Dark Blue.**	4956 **Silvery Lilac.**	

Each of the above: Pkt., (250 seeds) 50c.
4912 **Giant Perfection Hermosa Pink.** A lovely hermosa rose, lighter toward the center, the older flowers turn old rose. Under artificial light it is very beautiful. Comes true from seed with a high percentage of doubles. Pkt., 35c.

STATICE □

4793 **Puberula.** An extremely valuable and well lasting plant for summer and late autumn. Flowers 5 months after sowing, grows only 4 to 6 inches high and forms large magnificent dark violet blooms. It can be used for pots and in the open, also in rock gardens. Turfy loam mixed with peat and plenty of sand is the most suitable soil. In winter it can be kept in the greenhouse. Pkt., 25c
4806 **Sinuata New Hybrids.** One of our growers has been selecting newer colors in Statice, particularly those known as Art Shades, and we offer these this year in a mixture. It is interesting to grow these not only for summer decoration in the garden but for winter bouquets as well. Pkt., 15c.
4803 **Sinuata Compacta True Blue. (Kampf's Improved.)** A dwarf form of the popular variety listed in our General List. Very desirable for winter bouquets. Pkt., 15c.

STRAWBERRY "RÜGEN" □

(Everbearing Strawberries from seed.)

4827 Sown early and young plants transplanted to field, will produce **the same year** a wonderful crop of mid and late season fruit. The plants form no runners and bear great quantities of deep, dark red berries resembling an immense wild strawberry. The fruit has a delicious, sweet flavor and a pleasing aroma. It is ideal for use fresh or preserved. Pkt., (300 seeds) 25c.

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5805A VIOLA CORNUTA Apricot. Pkt., 25c.

SCHIZANTHUS □

4754 **Pansy-Flowered (Danbury Park Strain).** This new type of Schizanthus has already become very popular. The large smooth-edged Pansy-flowered blooms are remarkably substantial, while the rich self-colors in all shades of pink, crimson, mauve and purple, as well as white, are extremely bright and attractive. Pkt., 35c.

THUNBERGIA □

5639 **Gibsoni.** A lovely new graceful climber for covering pillar and trellis work in greenhouses, or may be flowered outdoors in Summer in mild climates. It has glistening green ivy-shaped foliage and flowers of most brilliant glowing orange. Seed should be started inside. Pkt., (15 seeds) 50c.

VERBENA □

5711 **Beauty of Oxford Hybrids.** A beautiful giant hybrid raised from a cross between Verbena Luminosa and Beauty of Oxford. While following closely the color of Beauty of Oxford, it also inherits a touch of salmon-pink from Luminosa which gives a lovely softening effect to the sometimes harsh coloring of Beauty of Oxford. The color shades from clear rose-pink to rose-red, making this the brightest rose Verbena ever produced from seed. They are half as large again as Beauty of Oxford and will easily cover a silver half dollar. The foliage is a dark cress green. Pkt., 35c.

5668 **Helen Willmott.** Bright salmon-rose with white eye. The seed produces flowers mostly of the true type, with a small percentage of varying shades. Pkt., 25c.

5669 **Garnet.** This fine variety is similar in foliage and growth habit to Defiance. The flowers are a beautiful shining garnet. Coming true both as to color and growth habit, it is particularly adapted for bedding.

5716 **Royal Bouquet Mixed.** 15 to 18 in. A new departure in growth of Verbena Hybrids. Heretofore this family had a roving, creeping habit being used principally as a ground cover. This variety has an upright growth on straight stems making it a good cut-flower sort and a symmetrical bedding plant. The flowers are very large in many charming colors. Pkt., 25c.

Dwarf Compact Varieties—6 In.

This group is very neat and compact in habit. They are continuous bloomers, particularly adapted for bedding, borders and small gardens.

5731 **Blue with White Eye.**
5732 **Chamois.** Pale chamois tinted buff.
5733 **Dark Blue.** Almost a rich purple.
5734 **Garnet.** Very erect.
5735 **Fireball.** Bright scarlet blooms.
5738 **Pink.**
5740 **White.** Heads of creamy white flowers.

5745 **Carmine Ball.** A beautiful variety, similar in form to Fireball. It forms a perfectly symmetrical plant about 10 inches high and 12 inches across and is completely covered with bright carmine flowers. Makes a wonderful bedding plant, besides being indispensable for pots and borders.

Each of the above: Pkt., 25c.

5667 **Danebrog.** Very compact growth, thus useful for bedding. Flowers of intense scarlet with a contrasting large white eye. Very showy and attractive and comes true to type and a rich sparkling color. Pkt., 50c.

XERANTHEMUM (A Buttonhole Flower) □

5850 **Pompon Flowered Mixed.** Double everlasting, a globular flower of great beauty in white, pink and purple, makes an interesting flower for a buttonhole bouquet. Pkt., 15c.

VIOLA CORNUTA □

The Violas are a large family. To them belong the Pansies or Viola Tricolor Maxima, as they are known botanically, and the Viola Odorata or Violet and the Viola Cornuta or Horned Violets which are nearly as large as Pansies and bloom freely and continuously all season if the wilted blooms are kept nipped off.

Viola Bosniaca and Florariense are perennials and will be found in the perennial pages.

5805A **Apricot.** Beautiful rich apricot shade, tinged orange towards the center. Pkt., 25c.

5808A **Blue Butterfly.** Vivid mid-blue shading to white in the upper petals. Pkt., 35c.

5818 **Hansa.** This variety carries its lovely rich violet colored flowers on long stems in the greatest profusion and blooms continuously all season. Pkt., 25c.

5819A **Spring Messenger.** Bright rich purple, blooming all spring and summer. Pkt., 25c.

5818B **W. H. Woodgate.** Novelty of great advance on the well known Jersey Gem Viola. It flowers the year around so abundantly that the foliage nearly disappears under the profusion of blooms. In habit the plant is more compactly growing and the color is of intense blue; comes true from seed. Pkt., 35c.

DWARF VIRGINIA STOCKS □

Dwarf bushes not over 8 inches in height, covered with bright flowers during the entire season.

5803A **Innocence.** Pure white.
5804 **Love.** Bright rose.
5804A **Crimson Gem.** Crimson.

Each of above: Pkt., 15c.

NEW ZINNIA VARIETIES

6173 **Vaughan's Novelty Mixture.** The Zinnias have branched out in many unique and pleasing forms quite different to the existing varieties. We have made a mixture which includes the attractive Cornucopia, Gaillardioides and Scabiosa Flowered and others and recommend it to those interested in novelties in this family. Pkt., 25c; 3 pkts. for 65c.

For **Vaughan's Midget Mixture of Zinnias** see first page for description and cover for illustration.

5867 **Early Wonder Salmon-Pink.** The first of a new race of dwarf, early flowering Zinnias, producing masses of Pumila type flowers on long stems. Pkt., 25c.

6161 **California Giant Brightness.** A bright, deep rose. Pkt., 15c.

6161A **California Giant Daffodil.** Bright canary-yellow, so resembling Narcissus King Alfred in color, the name Daffodil is most appropriate. Pkt., 15c.

6149 **California Giant Violet Queen.** The shade of Violet Queen is similar to Purple Prince in the Dahlia Flowered type. Pkt., 15c.

6016 **Dahlia Flowered Crown O' Gold** derives its name and distinction from the fact that each petal of the flower is overlaid with a deep golden yellow at the base, while carrying out the individual flower color at the tip. The effect is a very pleasing two-tone color harmony, especially lovely and scintillating under artificial light. The color range comprises the more popular shades, including old rose, cream, yellow, carmine and burnished red—the latter a new shade in Zinnias. Varies. Pkt., 15c.

6069 **Lilliput Valencia.** A real deep burnt orange. Pkt., 25c.

6097 **Pumila Pinkie (Cut and Come Again).** Medium sized flowers of light rose-pink with long stems especially suitable for cut flowers. A continuous succession of blooms are produced throughout the Summer, making the name Cut and Come Again most appropriate. Pkt., 15c; ¼ oz., 40c.

6171 **Pastel Shades** Some object to the intense reds and yellows in Zinnias and desire the pastel or art shades. We have made a mixture of the large flowering varieties, omitting the objectionable sorts, and including the exquisite shades of salmon and rose, lovely lavenders, creams and pure white. Pkt., 25c; ¼ oz., 50c.

5711 VERBENA Beauty of Oxford Hybrids. Pkt., 35c.

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ACHILLEA

7009A **Millefolium Cerise Queen.** This attractive perennial is of easy culture and will grow in any garden soil in a sunny spot. It has dark cherry red flowers which are decorative in the border and useful for cutting. Pkt., 25c.

ANCHUSA

7071 **Italica Dwarf Dropmore.** Beautiful as is the color of the Anchusa in the spring and early summer borders, it has the disadvantage of a rather straggling habit of growth. This dwarf variety is, however, of a much less spreading habit than either the Dropmore or Lisadell varieties and moreover bears larger flowers and of a brighter blue. We think it is destined to replace both these well known sorts. Pkt., 35c.

AQUILEGIA

7157 **Long-Spurred Copper Queen.** Petals and outside of corolla, lovely deep copper color, with long spurs of a deeper hue, while the inside of the corolla is a charming shade of buff or tan. The guard petals are unusually broad, and the flowers are most gracefully poised on unusually strong stems. Pkt., 50c.

7156 **Long-Spurred Crimson Star.** Flowers of a brilliant, dark crimson which are borne profusely. Pkt., 50c.

7158 **Long-Spurred Blue Shades.** A fine long spurred variety in blue shades from light to dark. Pkt., 35c.

7159 **Long-Spurred Orange and Scarlet Shades.** A very attractive selection in an unusual color range. Pkt., 35c.

7142 **Colorado Rainbow Hybrids.** The specialist from whom we secured this seed advises us he has produced some 22 combinations of blue, yellow, white, lavender, orchid, purple, three shades of red, all pink, pink and white, red and white and red and yellow, all in the Native Columbine. Pkt., 25c.

For complete list including Dobbie's Imperial Hybrids and Mrs. Scott Elliott's Strain, see page 65.

ANEMONE

7076 **Coronaria Creagh Castle Strain.** Of Irish origin. It belongs to the St. Brigid variety which is well known. The flowers are extremely large and the range of color exceptional. Pkt., 50c.

7078 **Coronaria The Governor.** Double bright scarlet flowers. Pkt., 25c.

ASTER

7224A **Amellus Beauty of Ronsdorf.** Large lilac-rose flowers in great profusion; plants two feet high, branching freely; blooms in August-September; one of the best. Pkt., 25c.

7223A **Amellus Roseus.** Very like the Beauty of Ronsdorf, except in color, which is a clear rose. Pkt., 25c.

7229 **Farreri.** The color is a soft tone of violet-mauve, with large golden orange disk and the flowers are from 2 to 3 inches across. Blooms in June and July. Pkt., 35c.

7228A **Subcoeruleus Star of Eisenach.** A new giant flowered race of these popular Spring Asters. Bright lavender-blue Marguerites with yellow centers measuring more than four inches across and in flower end of May and June. Pkt., 25c.

7229A **Yunnanensis.** Blooms in early Summer. Flowers brilliant lilac-blue with yellow disk. Pkt., 35c.

For other varieties, see page 65.

BEAUTY BUSH

7236 A free flowering shrub of extreme hardiness, 5 to 7 ft. Flowers are borne in rounded clusters of pure pink color followed by curious cobwebby fruits. Introduced from China by E. H. Wilson. The botanical name is Kolkwitzia Amabilis. Pkt., (50 seeds) 25c.

CAMPANULA

7371 **Rotundifolia Olympica.** A fine alpine from the Olympian Mountains of the State of Washington. It grows 10 to 12 inches high and blooms freely through the Summer and Fall. The light blue bells are about one inch across and the same in length. The flower stalks carry grass like leaves which grow from a creeping root, which is covered with round heart shaped leaves. Pkt 35c.

CANDYTUFT (Iberis)

8078 **Jucunda.** It is one of the finest of dwarf perennials, suitable for borders, paths and rockeries. It is of bushy habit, the foliage does not reach more than 3 inches, but when in full bloom the plant reaches a height of nearly 1 ft. The flowers are a bright salmon-rose shade in the early stages, which passes later to a rosy white. The flowering period is long, lasting almost two months. Pkt., 50c.

CARNATION

7398 **Grenadin Golden Sun.** Early flowering, very double, large clear yellow flowers. Pkt., 35c.

7396 **Grenadin Tausendschon.** This variety shows a wonderful play of color, from soft rose and salmon-rose to bright pink. Brings a high percentage of double flowers. Pkt., 25c.

Perennial Seed Mixtures

Our Surprise Garden of Annuals has been a great favorite for several years with our customers. Many have asked for a similar mixture of perennial seeds, so we have made the following mixtures and offered them for the first time two years ago.

8600 **Dwarf Sorts Mixed.** From 6 to 15 in.

8601 **Medium Sorts Mixed.** From 18 to 36 in.

8602 **Tall Sorts Mixed.** 3 ft. and upwards.

Each of the above, pkt., 25c; three pkts., 65c.

CAMPANULA Rotundifolia Olympica

CHRYSANTHEMUM

7445 **Mawii.** A perennial Chrysanthemum with rich pink flowers, perfectly hardy. An ideal subject for border or rockery, height about one foot, flowers two inches across. The beauty of this variety is enhanced by the silvery foliage. Pkt., 35c.

CENTAUREA

7432 **Pulcherrima.** 15 inches. A very beautiful variety introduced from Armenia. Lovely rosy lavender flowers. Pkt., 25c.

COREOPSIS (Tickseed)

7496 **Lanceolata Grandiflora Fl. Pl. Special Selection (Double-Flowered Coreopsis).** This new double and semi-double form is just as easy to grow as the single and the extra petalage adds a further charm to the flower. Pkt., 15c.

7497 **Diadem (Grandiflora Auriculata Superba).** Its large single flowers, several tones deeper than the well-known Grandiflora, measuring 3 inches across, are borne on long stiff stems. A serrated band of brownish red encircles the golden disc. Pkt., 15c.

7494 **Mayfield Giants.** A fine perennial of Australian origin. It produces a taller and more vigorous plant than the type, with longer and firmer stems and larger individual blooms of which the ray petals are broader and form a more perfect corolla. Pkt., 20c.

SHASTA DAISY

7504 **Diener's Double.** They come 50% good double. Some very good white, others creamy white, balance single to semi-double. If one plants seed and selects the plants that are good, they can propagate by root divisions and cuttings. Pkt., 35c.

DELPHINIUM

7522 **Chinese Cambridge Blue.** 2 to 3 ft. The Chinese Delphinium bloom from seed the first year, if sown early. This variety is a really good light blue, far surpassing Belladonna in brilliancy. Pkt., 25c.

7538 **Elatum Hybridum Rev. E. Lascelles.** Deep violet blue, large clear white eye. (Comes almost true from seed.) Pkt., 35c.

7539 **Elatum Iceberg.** This is the first white perennial Delphinium which comes true from seed. The long spikes are thickly covered with large pure white blooms and the plants are especially noted for their strong, healthy growth. When these are fully grown in the second year, the big white spikes are very beautiful, and form an effective contrast to the dark and pale blue varieties. 4 ft. Pkt., 35c.

7533 **Clarke's Hybrids.** A selection made by a specialist over a long period of years of these magnificent hardy border plants. Seed is saved from the finest of the large flowered varieties and contains single, semi-double and double flowers. Included in these are pale and silvery blue, silvery mauve, lavender, soft blue, brilliant blue and dark gentian blue flowers. Some of the blues are with white eye, some shaded rosy purple, others have black eyes or bees and some are light blue on a white ground or china blue with a splash of opal pink. Pkt., 50c.

7566 **Hoodacres White.** A splendid selection from a well-known strain. Pkt., 50c.

XXX Hybrids Separate Colors

One of our growers who is a specialist in the culture of Delphinium seed has been at work on an improved strain of this and has segregated different colors into various shades which we are glad to offer as follows:

7556 **XXX Light Blue Shades.**
7557 **XXX Dark Blue Shades.**
7558 **XXX Mid-Blue Shades.**
7559 **XXX Pastel Shades.**

Each of the above, pkt., 25c.

7568 **Double Selecta.** Extra double new hybrids, mixed, producing 90% extra double flowers of large size and excellent color variation. Pkt., 50c.

For other Delphiniums, see page 69.

COREOPSIS Lanceolata (Double-Flowering) Special Selection

Seed Germinates Slowly and Irregularly

of the following varieties and seed bed should be prepared where it will be undisturbed for a year or more.

Acanthus Mollis, Aconitum, Adonis Vernalis, Anemone, Asperula Odorata, Clematis, Delphinium Cardinale. Delphinium Zalil, Delphinium Nudicaule, Dictamnus, Dielytra, Gentiana Acaulis, Helleborus Niger, Incarvillea, Iris, Peony, Phlox Decussata, Primulas, Trollius.

« « Novelties and Specialties of 1934—Perennial Flowers » »

DIANTHUS Highland Queen

DIANTHUS (Hardy Pinks)

7588 **Deltoides Major Stern's Variety.** A new form with bright crimson flowers and dark foliage, free flowering. Pkt., 35c.

7584 **Plumarius Highland Queen.** The most brilliant perennial Dianthus in cultivation, bearing in profusion flowers of a lustrous scarlet-vermilion color. It is extremely hardy, of vigorous growth, and ideal for bedding, borders and the rock garden, continuing in bloom from the end of May until November. Pkt., 35c.

7585 **Plumarius Highland Rose Hybrids.** These are excellent companions for the preceding. The ground color of the flower is generally a pleasing clear rose with deeper zone of various shades of red. Pkt., 35c.

7601 **Plumarius Double Dwarf Rose.** Grass or Clover Pink, dwarf habit. Rose colored flowers. Excellent for rock garden. Pkt., 25c.

7602 **Plumarius Double Dwarf White.** Same as above except color of flower which is white. Pkt., 25c.

7739 **Winteri.** Striking new Pinks awarded First-Class Certificate by R. H. S. The flowers are of bold form, pure colors, habit compact and flowers first year from seed, deliciously scented, ideal rock plants. Pkt., 50c.

EDELWEISS

7791A **Siberian.** Large flowered form of the Alpinum with woolly foliage and flower heads. Easily raised from seed. Requires dry, sunny location. Pkt., 25c.

BABY ROSE Polyantha Nana

EUPHORBIA

7806 **Polychroma.** 1 ft. April-May. Leaves oblong and dark green floral leaves different shades of yellow at flowering time. Flowers bright yellow, changing to rosy bronze, combines beautifully with Geum Lady Stratheden. Grows into fine compact bush. Little known, but very desirable. Pkt., 25c.

GAILLARDIA

7816 **Torchlight.** 2 to 2½ ft. It has a neat and compact habit. The flowers are golden yellow with a rich maroon red center and often measure as much as 5 inches across. Pkt., 25c.

GYPSOPHILA

7867 **Pacifica.** 4 ft. This variety is especially hardy as it withstood the severe frost of Winter and extreme heat and dryness of the Summer. The seedlings form dense bushes and attain a height of 4 ft. the second year. The myriads of tiny pink blossoms appear on the slender spreading panicles. Flowers later than the Paniculata. Good for cutting. Pkt., 25c.

HOLLYHOCK

7991 **Double Triumph.** Grows 4-5 ft. high and is of branching habit all the stems being studded by prettily waved and fringed flowers which appear in an entirely new range of colors and combinations of colors. Pkt., 25c.

Vert Dwarf Double. This is a dwarfer strain than the well known Chaters', the flowers are more fully double and placed very compactly on the stems.

7996 **James Vert.** Blood red.

7997 **Lady Bailey.** Blush pink.

7998 **Queen of Yellow.** Yellow.

Each of the above, Pkt., 25c.

LINUM

8141 **Flavum Compactum Nanum.** This dwarf flax, a glowing golden yellow with dark green foliage, is especially attractive in rock gardens or as a dwarf group and border perennial. It blooms for months on end and if cut down after it has finished flowering, there will be a second show in the autumn. Pkt., 25c.

LUPINUS POLYPHYLLUS

8172 **Atro-Violaceus.** The flowers are a dark blue, very large size, a great improvement in color and size over original type. Pkt., 25c.

8177A **Salmoneus.** Many tender salmon shades coming quite true from seed. Pkt., 25c.

NEPETA

8254A **Souvenir Andre Chaudron.** 1 ft. Very distinct upright habit, mint-like spikes of dark blue flowers very freely produced. Seeds, per pkt., 25c.

PAPAVER NUDICAULE or ICELAND POPPY

8276 **El Monte.** This is a deep tangerine orange selection from some giant Australian hybrids. The flowers are of enormous size, borne on long wiry stems. It comes true to color, is extremely easy to grow and can be produced in six months from seed. It is fine for cutting. Pkt., 15c.

8291 **Fakenham Hybrids.** This is one of the finest strains of Iceland Poppies in existence. The flowers measure 2½ to 3 inches in diameter and come in shades of orange and yellow and white, with long stiff stems. Extremely free-flowering and lasts exceptionally well as a cut flower. Pkt., 25c.

PENTSTEMON

8323 **Blue Gem.** The delightful addition to the list of rock garden subjects. Plants grow dwarf and compact with many spikes of a charming blue flowers. Pkt., 25c.

PRIMULA

These hardy Primroses are among our most delightful spring flowers. They require a partially shaded location.

8409 **Japonica All Red.** The Japanese primrose is one of the most stately and attractive species of the genus. It has large coarsely toothed leaves and flowers in various shades of red borne in several whorls on stems 1 to 2 ft. high. Pkt., 35c.

8420 **Veris Grandiflora Coerulea.** The beautiful blue Polyanthus, extra fine variety, should be in every garden. Pkt., (50 seeds) 50c.

8419 **—Kleynii.** Heavy stems, average length 8 to 12 inches, carrying immense head of 15 to 25 florets, each floret 1 to 1½ in. in diameter, rich golden yellow shaded apricot towards center. Plants average 6 flower spikes each. Perfectly hardy anywhere in U. S. A. Pkt., (50 seeds) 50c.

8421 **—Grandiflora Red Shades.** Various shades of red in an attractive variety. Pkt., (60 seeds) 50c.

8422 **—Elatior Gigantea (Polyanthus).** This is a selection made by a specialist over a long period of years. The flower spikes are 8 to 10 in. long, average ½ in. in width. The individual flowers are very large and are of pure white, dark red, pure yellow, pink and lilac and violet shadings. Pkt., (50 seeds) 50c.

PLATYCODON

8363 **Grandiflorum Praecox Gigantea Blue.** An extra early flowering Platycodon with most gigantic size. Individual flower measures as large as 4 inches across and starts flowering from August on until frost kills them. They grow up over 2½ feet from roots, but from seed, they start flowering at the height of 5 inches. From seed they show some percentage of variation both in color and in size of flower. We consider this to be one of the startling novelties. Pkt., 25c.

PYRETHRUM

8431 **Grandiflorum Roseum.** Immense blooms, true deep rose and of very good substance. Pkt., 50c.

8432 **Grandiflorum Rubrum.** This is a variety of true grandiflorum type, bearing the flowers on strong, stiff stems. The color is a shade between deep rose and atrosanguineum and might best be described as deep ruby-red. Pkt., 50c.

8435A **Grandiflorum White.** Pure white and of true giant flowering type. Pkt., 50c.

8433 **Double Red.** A new selection. The flowers will be large size in an attractive warm shade of red and will come fairly double from seed. Pkt., 50c.

8434 **Double White.** Pkt., 50c.

BABY ROSE

8452 **Polyantha Nana. Miniature Fairy Roses.** 1 ft. A remarkable race of miniature roses. Blooms early. Useful in small beds or borders or pots, being literally covered with bunches of double and semi-double light pink flowers. **Seeds,** 25 seeds, 25c.

SCABIOSA

8494A **Caucasica Goldingensis.** A very fine strain of caucasica, large flowers, waved petals and a small center, a fine deep lavender color, long stems. Pkt., 35c.

We recommend sowing perennial seeds in spring. Seed germinates better in the cool weather than in the heat of midsummer and the seedlings have an opportunity to develop into sturdy little plants by fall which permits them to winter-over more successfully. Make a seed bed where the amount of light and water can be controlled. Transplant when large enough to rows in the garden and in the fall reset in permanent location where they are to flower the following year. The majority of these perennials bloom the second year from seed although some like Coreopsis and Gaillardia, if sown early, bloom the first year. Some perennials are very slow and uneven of germination. Seed may lie in ground a year. Perennials should be placed in clumps of three or five and left undisturbed for several years.

For A Fine Lawn

Sow Vaughan's Formulas which Contain No Timothy

WHEN you buy grass seed from VAUGHAN'S you are buying from grass seed specialists with a background of more than half a century. Our grass seed department has long been known as an authority on growing fine turf, and for the guidance of our customers we send our booklet on lawn-making upon request and without charge.

This booklet "Your Lawn," has been carefully prepared and covers all lawn problems under average conditions, and these rules should be followed carefully. Disappointing results with your lawn may, however, be due to some special conditions in which case write to us about your problems.

Price and Quality. In spite of higher basic values, we have made but slight changes in the prices of our lawn mixtures, in an effort to give our utmost in value—and our quality is of the highest, as always. We neither buy nor sell seeds that are not tested in our own officially recognized laboratory for purity, germination and identity.

Vaughan's "Private Estate" Bent Formula

FOR LAWNS "DE LUXE"

The unexcelled beauty and velvet smoothness of creeping bent putting greens has caused a demand for a lawn mixture which contains seeds of the bent grasses.

For those who are interested in bent grass we highly recommend our Private Estate formula as it will require less mowing and less attention than pure bent grass lawns.

In addition to Kentucky Blue Grass of the highest quality, to insure a foundation for your lawn, Private Estate formula includes an important proportion of bent. The bent grass will become established and spread, producing a heavier growth and smoother texture. Private Estate formula produces a fine, heavy turf, which with proper care will constantly improve, and which will be more resistant to "Brown Patch" and other diseases than pure bent.

Price, lb., 55c; 2 lbs., $1.10; 3 lbs., $1.65; 5 lbs., $2.70; 10 lbs., $5.25; 20 lbs., $10.25.

Vaughan's Dense Shade Formula

Composed of grasses most suited for growing in heavily shaded situations. A splendid mixture. It is also satisfactory in light shade.

Price, ½ lb., 35c; 1 lb., 55c; 2 lbs., $1.10; 3 lbs., $1.65; 5 lbs., $2.70; 10 lbs., $5.25; 15 lbs., $7.75; 20 lbs., $10.25; 25 lbs., $12.50; 50 lbs., $23.75; 100 lbs., $45.00.

Vaughan's No. 25 Lawn Formula

An economy blend for new seedings and quick results which should be followed by reseeding with a more permanent blend like our "Chicago Parks." In spite of its low price this blend does not contain timothy. Sow this blend at rate of 1 lb. to every 200 sq. ft. Cut regularly to keep turf fine.

Price, 1 lb., 25c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., $1.00; 10 lbs., $1.95; 15 lbs., $2.90; 20 lbs., $3.75; 25 lbs., $4.65; 50 lbs., $8.75; 100 lbs., $16.00.

Vaughan's "Chicago Parks" Lawn Seed
The Standard Blue Grass Lawn Formula

For the average home grounds, where a lawn is desired which combines the maximum of beauty and resistance to wear with a minimum of expense and care, the blue grass lawn such as our Chicago Parks lawn seed will produce, remains the universal standard.

This blend is composed of heavy, recleaned seed, blended according to the formula proved in our 58 years' experience to be the best for permanent lawns under American conditions and recommended by the Department of Agriculture. Recleaned Kentucky blue grass and red top form the bulk of this blend, which includes also white clover in the correct proportion. Our blend produces a lawn that will endure. Price, ½ lb., 25c; 1 lb., 40c; 2 lbs., 80c; 3 lbs., $1.20; 5 lbs., $1.95; 10 lbs., $3.80; 15 lbs., $5.60; 20 lbs., $7.40; 25 lbs., $8.95; 50 lbs., $16.95; 100 lbs., $30.00.

Vaughan's "Columbian"

Formula for Shady Lawns or Sandy Soil

When making a lawn on sandy soil or in light shade, conditions are met with which require the use of a special grass seed blend. Vaughan's "Columbian" is the correct blend for such locations.

Price, ½ lb., 25c; 1 lb., 40c; 2 lbs., 80c; 3 lbs., $1.20; 5 lbs., $1.95; 10 lbs., $3.80; 15 lbs., $5.60; 20 lbs., $7.40; 25 lbs., $8.95; 50 lbs., $16.95; 100 lbs., $30.00.

Vaughan's No. 40 Lawn Formula

Intermediate Grade

Price, 1 lb., 35c; 2 lbs., 70c; 3 lbs., $1.00; 5 lbs., $1.65; 10 lbs., $3.25; 15 lbs., $4.80; 20 lbs., $6.25; 25 lbs., $7.50; 50 lbs., $13.75; 100 lbs., $25.00.

Quantity to Use—On new lawns, use 1 lb. for every 300 square feet; 5 lbs. for 1500 square feet; 135 to 145 lbs. for one acre. To replenish lawns where turf is thin use half quantity.

On orders under $2.00 or beyond prepaid zone, add 5c per lb. for postage. Lawn seed orders of $2.00 or more are prepaid to within 300 miles of Chicago or New York. On Parcel Post C. O. D. Orders there is an extra charge for C. O. D. delivery.

SEE PAGES 96-97 FOR COMPLETE LIST OF GRASSES.

Vegetable Novelties and Specialties

NEW CARROT, MORSE'S BUNCHING

QUALITY in seeds is not simply a matter of purity (or freedom from alien mixture) and germination (which gives assurance that the seeds are alive). We do not buy nor do we sell seeds that do not qualify in both these respects in tests in our own officially recognized laboratory.

But beyond these points, which are fundamental, is the question of breeding which in seeds, just as in hogs or cattle, determines what kind of offspring shall be produced. Purity and germination may be high, but the product still of such low grade, owing to deterioration of the strain, as seriously to lessen the value of your crop.

Constant vigilance in discarding plants not true to type, and the selection as seed parents of superior specimens, produces a strain of a standard variety which may differ as much from less carefully bred strains, as it does from other varieties. The expense of careful breeding is considerable, and seeds grown from the common run of plants can naturally be offered at prices much less. But the saving is small, compared with the cost of land, and labor, which is the same for a crop grown from ordinary seed, as for the finest strain, and the increased value of your crop offsets many fold the small increased cost of seed.

We do not handle ordinary grades of seed, and every variety listed in the vegetable seed pages in this catalog is a selected strain, bred up to the highest standards.

On this page and the next are listed recently introduced varieties which show important improvements over those previously known, and which we recommend for trial.

WAX BEAN

Gold Standard. A stringless wax bean which combines the highest table quality with a heavy yield, and attains picking size in 52 days. Pods are 7 inches long, flat and straight; bushes erect and strong; seeds white. Bred on our own farms, it is the finest wax bean we know. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., $2.50.

LIMA BEAN

Succulence. A new type of pole lima bean, maturing in 75 days, as early as the bush type, and having the buttery richness and tenderness of the finest bush varieties. It bears heavily over an exceptionally long season. Beans slightly larger than Henderson's bush, Pkt., 25c; ½ lb., 40c; lb., 75c; 2 lbs., $1.25; 5 lbs., $2.50.

BEET

Perfected Detroit. Every merit of the splendid variety Detroit, reaches perfection in this improved strain. The top is just right for dry or wet season, hard or loose soil. Shape and size are suitable for serving fresh or pickling. Texture is fine, flavor superfine. Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., $2.25.

BROCCOLI

Italian Green Sprouting. (Calabrasse.) Our Italian grower just outside Naples sent us his selected strain of this cousin of the cauliflower which has become so rapidly popular in our country. It excels in size, quality and productiveness. See Page 16 for illustration. Pkt., 25c; oz., 60c; ¼ lb., $1.75.

CABBAGE

Early Wonder. A round head cabbage of medium size, averaging 2 to 3 pounds, which matures in 55 days, as early as the earliest pointed head varieties. Bred for earliness and uniformity by our Holland grower. Pkt., 25c; ½ oz., 45c; oz., 75c; ¼ lb., $2.50.

NEW CELERY, GOLDEN DETROIT

CARROT

Morse's Bunching. This variety has a rich red even color throughout, small red core, roots almost cylindrical, 8 inches long, smooth, and tops short and strong. It matures in 80 days and is sweet and tender. It excels for a fall and winter harvest. Pkt., 15c; oz., 30c; ¼ lb., 90c; lb., $3.00.

Greater Chantenay. A strain of the popular Early Chantenay which resembles its original in all respects except that it averages 1½ to 2 inches longer. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

CELERY

Golden Detroit. The ideal type of full hearted, short stalk with large top, crisp, tender flesh and fine flavor, is exemplified by this splendid variety, which can be grown in any good black or sandy loam but will not succeed in clay. It is the product of scientific plant breeding directed toward definite qualities which have been attained. Pkt., 25c; ½ oz., 60c; oz., $1.00.

HARVESTING SWEET CORN ON OUR MICHIGAN FARMS.

VEGETABLE TRIALS ON OUR MICHIGAN FARMS.

A FIELD OF RADISH ON OUR MICHIGAN FARMS.

Vaughan's Vegetable Novelties and Specialties of 1934

NEW EGG PLANT, BLACK KING

SWEET CORN

Earliest Golden Sweet. The successful result of many years' breeding on our own farms to produce a yellow ear of Golden Bantam flavor, but earlier. A little smaller than Bantam, with shorter stalk, it matures twelve days earlier, in 53 days, enabling you by succession planting to enjoy Bantam quality from the first of the season to the end. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., $1.00.

CUCUMBER

Mandarin. Chinese quality in cucumbers is unique. Using as one parent a Chinese variety sent us by Dr. Yamei Kin, we have combined its crisp tenderness and subtle flavor with the vigor of the white spine race. A quality fruit which grows ten inches long and matures in 45 days is the result, at once the earliest and the highest quality variety we know. Pkt., 15c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

EGG PLANT

Black King. From Japan, where egg plant is used more than tomatoes, comes this early variety, maturing in 90 days and continuing to bear until most plants produce thirty fruits. Though the fruits are smaller, the yield is thus enormous, and the quality of the highest. This variety originated at the Agricultural Experimental Station in Urawa, Saitama, Japan, and has been thoroughly tested in our own trials. Home gardeners will find of especial value its heavy yield and long bearing season continuing until frost. Pkt., 25c; ½ oz., 40c; oz., 65c; ¼ lb., $2.00.

RADISH PLANT IN SEED ON OUR MICHIGAN FARMS.

ENDIVE

Full Hearted. A heat and drought resisting variety of the broad leaved type which when tied and blanched, opens with an appetizing mass of creamy, tender, spicy leaves. The best variety for table quality we know, of this salad vegetable so rapidly growing in popularity. Pkt., 15c; oz., 25c; ¼ lb., 65c.

LETTUCE

Continuity. There is a distinctive flavor to the lettuces which have green leaves touched with reddish bronze; and they thrive better in hot dry weather, without turning bitter. This new variety of the type is a great improvement in size and quality over Prizehead. It forms a loose head of green leaves rich in Vitamin C and matures in 45 days. Home gardeners may grow it as a leaf lettuce. Pkt., 15c; oz., 50c; ¼ lb., $1.50.

ONION

Golden Globe. An early yellow skin onion bred and selected for us by one of Cook County's oldest onion specialists. It is a long globe type having its great diameter at about midway of its height. It is very productive and an excellent keeper. Pkt., 15c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

PEA

Century of Progress. A heavy yielding bush variety which bears large, wrinkled peas fully equal in quality to varieties which yield far less. It grows 20 inches tall, with pods 4½ inches long. An excellent home garden variety, maturing in 72 days. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., $1.75.

RADISH

Glowing Ball. A forcing radish of exceptionally brilliant color, smooth skin, short top, one inch or less in diameter. The flesh is of fine texture and the flavor mild. It was the highest rated variety in the 1933 All-America trials. Pkt., 15c; oz., 25c; ¼ lb., 50c; lb., $1.50.

DISEASE RESISTANT TOMATO BREAK O'DAY IN OUR TRIALS.

RHUBARB

Flare. Besides excelling all others we know in flavor and tenderness, this variety has red stems, which greatly add to its tempting appeal. It is juicy and mild and a vigorous grower with leaves 25 inches long. Stalks have a smooth medium thick skin, easily peeled. Pkt., 25c; ½ oz., 70c; oz., $1.25.

NEW LETTUCE CONTINUITY

SQUASH

Italian Vegetable Spaghetti. This interesting novelty grows like a vegetable marrow and produces a similar fruit which when thoroughly ripe is served as follows: Boil for 40 minutes, after puncturing it to allow steam to escape and prevent it bursting. Cut crosswise and remove seeds and then with a fork draw out the flesh. It will come out in strings, similar to spaghetti, which are mealey and have a flavor like sweet potatoes. Ripe fruits are yellow, 12 in. long and 4 in. in diameter. Pkt., 50c.

TOMATO

Dwarf Ponderosa. The immense fruits of the Ponderosa are grown on a vine of typical dwarf habit, with tree-like growth which is so well suited to the garden of limited space. For the home gardener who likes Ponderosa it is a boon. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

New King. The largest variety we know, often growing in rich soil to twice the size of Ponderosa. It is of good shape relatively smooth and ripens evenly from core to outer skin. Pkt., 20c; ½ oz., 40c; oz., 75c.

HAND PICKED MILWAUKEE MARKET MELONS ON OUR FARM

Artichokes

THE Artichoke is grown for its edible blossoms. It is a perennial but will not stand freezing. It requires renewing every two or three years. The Jerusalem Artichoke, so called, belongs to a different family.

GREEN GLOBE. Perennial, large-flowering heads of exquisite and unique flavor. A prized delicacy of rapidly growing popularity. Matures second year; not hardy in the North. Pkt., 10c; oz. 65c.

JERUSALEM ARTICHOKE ROOTS. Best hog food known. Easily grown. Five bushels plant an acre, enough to keep 20 to 30 hogs from Oct. to April. Cut and plant like potatoes. In Europe the tubers are baked, like potatoes, and esteemed as food because of their distinctive flavor. They grow in a wild form in the United States. Lb., 25c; 3 lbs., 65c; 10 lbs., $1.50. Write for quantity prices.

Asparagus

ASPARAGUS from the home garden is one of the most delicious and earliest of crops. It may be grown in any deep, rich soil, either from seed or roots.

SEED PLANTING—Asparagus may be raised from seed and a crop obtained in three years. In early Spring sow the seed, after soaking it twenty-four hours in warm water, in drills about one foot apart and one inch deep. The following Spring, select the best of the roots and place in the permanent bed. One ounce of seed will sow 75 feet of row, producing 250 plants.

ROOT PLANTING—A year may be saved by buying the plants (one year old are greatly to be preferred) and setting them two feet apart in the row, and the rows four feet apart; see that the roots are well and evenly spread out in planting and that they are not exposed to the air longer than is absolutely necessary, as they deteriorate rapidly. Plant in a trench 12 inches deep, at the bottom of which is 2 inches of well rotted manure. Add 5 lbs. of a balanced plant food to each 100 feet, well mixed with soil.

WHITE ASPARAGUS. White Asparagus may be grown from the same variety as green. It is merely a method of growing. The roots are set deeper and the stalks are cut underneath the ground before exposure to the light has turned them green.

WASHINGTON RUST RESISTANT STRAIN. Developed by the experts of the United States Department of Agriculture which originated this strain. Rustproof plants are preferred by commercial growers. Since the differences between varieties of asparagus are not great, given the same soil and cultivation, freedom from disease is of dominant importance. The most satisfactory strain is MARY WASHINGTON.

MARY WASHINGTON stock is so far the most satisfactory of the two strains. It is the result of a single cross Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

BONVALLET'S GIANT. Equally good, grown white or green. Bonvallet's Giant is favored on account of its extreme vigor and rust resistance. Usually it produces a crop a year in advance of other sorts. Our strain has been improved each year by careful re-selection. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

ASPARAGUS ROOTS

	1-Year Old			2-Years Old		
	Doz.	100	1000	Doz.	100	1000
Bonvallet's Giant	$0.50	$2.00	$14.00	$0.60	$2.25	$15.00
Mary Washington	0.50	2.25	15.00	0.60	2.50	16.00.

If by mail add postage as follows. . Doz. 8c; 100, 50c.

★

Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

A Field of Our Heavy Yielding Bountiful Stringless on Our Farms in Michigan

Stringless, Tender Green Bush Beans

QUALITY in beans is measured by stringlessness; by tenderness, or the absence of fibre, or "linen" in the pod; by ability to produce well, and by the pod, a long, straight pod being preferred. Fine strains of good varieties excel inferior strains in all these qualities, the difference between strains often being as great as the difference between varieties.

Our beans are grown on our own farms, or by expert growers under contracts which require that methods shall be used which involve increased expense but result in greatly improved quality. After the harvest our beans are hand-picked, to discard all seeds which do not conform to the ideal type. The improvement in your crop far outweighs the increased cost.

Both green and wax beans are grown by the same methods. Choice between them is a matter of taste. Round pod types are sometimes considered to be more brittle, and flat pod types to yield more heavily. Of all home garden crops, beans produce most food value for the cost of seed and the space devoted to them. For supreme table quality, serve them when half matured, the same day they are picked.

★Bountiful Stringless. **Ready to pick in about 48 days.** Of the heavy yielding, flat pod type, our strain of this variety is finest. One of the earliest, it produces straight pods of a clear pale green 7 inches long, half an inch wide, completely stringless, tender and brittle. It has a long season of bearing. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.00.

★Stringless Green Pod. **Ready to pick in about 53 days.** The leading round pod variety. The pods are a rich deep green, round, 5½ inches long, completely stringless and free from fibre. The plants are large and yield heavily. Sow every two weeks for succession crops. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.00.

FULL MEASURE. 52 days. A main crop variety. Stringless and of the Round Pod type which on account of quality and productiveness is growing in popularity each year. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.00.

GIANT STRINGLESS GREEN POD. 53 days. An improved type of "Improved Early Valentine," nearly as early. The pods have all the excellent qualities of the original with much greater size and greatly improved appearance. Fine in succession to Stringless Green Pod. Pkt., 10c; ½ lb., 25c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.00.

Cultural Notes

Beans are very tender. The seeds must be sown where they are to grow when frost has ended, and the ground is warm. Improved Red Valentine and Black Valentine are best for planting in cold soil. Sow in rows about fifteen inches apart, and thin the plants to about four inches apart in the row. Keep the surface soil soft and the rows free from weeds. Do not cultivate when the plants are in bloom, as it prevents the flowers from setting pods, and cultivating when the vines are wet with dew spreads the anthracnose, the chief disease of beans.

Quantity needed to sow: 20 feet, 1 packet; 150 feet, 1 pound.

STRING BEANS

LONGFELLOW. 53 days. Handsome, round pod type, nearly stringless, beautiful green pods, 7 to 8 inches long; straight and round; very prolific. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.00.

BLACK VALENTINE. 53 days. Like "Improved Red Valentine," its hardiness overcomes light frost. Pods are a third longer than Red Valentine, and grow in clusters, perfectly straight and round. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.00.

IMPROVED EARLY RED VALENTINE. 52 days. Germinates in cold ground where other sorts would not. Vines 15 inches high, yield well; pods round and fleshy and when young of good quality. Pkt., 10c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.00.

FIELD BEANS

GREAT NORTHERN. 90 days. A little larger than the Navy Bean, it is hardier and a much heavier yielder. For cooking many give it preference, saying it is more tender and digestible. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., $1.50.

IMPROVED NAVY. 85 days. Fine field sort. Lb., 30c; 2 lbs., 50c; 10 lbs., $1.25.

"ROBUST." 100 days. A selection of the White Navy Bean introduced by the Michigan Agricultural College, which in College trials has outyielded other White Beans, especially on heavier soils. Lb., 30c; 2 lbs., 50c; 10 lbs., $1.50.

SHELL BEANS

DWARF HORTICULTURAL. 100 days. Late, heavy yielding. Flat green pods spotted with red. Pkt., 10c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.00.

ENGLISH BROAD WINDSOR. 100 days. An English Dwarf Bean, eaten shelled, best of class. Pkt., 10c; lb., 45c; 2 lbs., 85c; 10 lbs., $2.25.

WHITE KIDNEY. 100 days. Lb., 35c; 2 lbs., 60c; 10 lbs., $1.75.

RED KIDNEY. 110 days. Lb., 35c; 2 lbs., 60c; 10 lbs., $2.00.

WHITE MARROW. 110 days. Lb., 35c; 2 lbs., 60c; 10 lbs., $1.75.

Wax Pod Bush Beans

GOLD STANDARD

STRINGLESS

★Gold Standard Matures in about **52 days.** In earliness, table quality and heavy yield this new variety is outstanding. It has straight flat pods, seven inches long; perfectly stringless, tender and of excellent flavor. In yield it equals its type parent, Davis Kidney Wax, which it far excels in quality. It is strongly recommended for the home garden. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., $2.50.

★Wardwell's Kidney Wax. Matures in about **53 days.** The attractive golden yellow pods seven inches long, are flat, brittle, stringless, straight, finely shaped and of excellent flavor. It is especially suited to midwestern conditions and is recommended for the home garden as well as for the market. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.25.

★Round Pod Kidney Wax. (Brittle Wax). Matures in about **52 days.** The plant is erect, of medium size and a prolific bearer. The pods are a light yellow, 6 inches long, stringless and entirely without fibre. This variety has the highest table quality and is recommended for the home garden and for canning. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.25.

IMPROVED GOLDEN WAX. 50 days. A medium early bearing heavy crop on vines of vigorous bushy growth, a good rust-resister. The pods are golden yellow, fleshy and solid, brittle, waxy texture, excellent for home and market garden. They have an exquisitely rich butter flavor peculiar to this variety. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.00.

BOUNTIFUL WAX, SURE CROP WAX. 54 days. An extra early, perfectly stringless flat variety with black seed. The pods are large and of a golden yellow color, which they assume when still very small. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.25.

NEW KIDNEY WAX. 53 days. A flat, long-podded stringless variety of highest table quality as well as a robust grower and high yielder. Pods 6 to 7 inches long, very thick and meaty. Vines 18 to 20 inches in height. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 75c; 10 lbs., $2.25.

PENCIL POD BLACK WAX. 52 days. Bushy vines, very prolific, 15 inches high, bear round, thick, stringless, rich yellow pods, 6 to 7 inches long, of excellent quality, containing black seed. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.00.

WEBBER WAX. 52 days. The pod is long, bright yellow, yellow seed. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.00.

UNRIVALED WAX. 53 days. Vigorous grower, slightly flattened pods, high quality. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.00.

Treat early planted beans with Semesan Jr., to aid germination. 4 oz., 40c. See page 102.

STRING

DAVIS KIDNEY WAX. 54 days. Vines vigorous and prolific, waxy white pods 7 inches long; the finest appearing of all early wax beans. They should be used while young, when free from strings. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.00.

CURRIE'S GOLDEN WAX. 50 days. Early, hardy, nearly rust-proof. Long, golden yellow pods, crisp and tender. The seed is black. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., $1.90.

HODSON WAX. 65 days. The greatest yielder of garden varieties. Season medium early, vines bear a mass of long, straight pods, resembling the Davis Wax. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., $2.25.

Two Pounds Prepaid

Catalog prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 112.

Where the Mexican Bean Beetle gives trouble, spray with Red Arrow which is both a contact and stomach poison for insects, but harmless to humans. Oz., 35c. See Page 102.

Fun to Grow This One

Yard Long. (French Asparagus Bean.) **65 days.** It produces a long, irregular, nearly round edible pod, which is a novel addition to the menu. Something to show your friends. Pkt., 15c; lb., 70c.

POLE BEANS

THEY YIELD HEAVILY

POLE varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest. **A packet plants 15 hills; 1 lb., 100 hills.**

***KENTUCKY WONDER OR OLD HOMESTEAD. 65 days.** Green pod. The most widely planted pole variety. The pods are fleshy, saddle-backed, 7 to 10 inches long and stringless when young. Kept picked, they bear throughout the season. Pkt., 10c; ½ lb., 25c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.00.

***KENTUCKY WONDER WAX. 65 days.** The best pole wax bean for Northern planting. It is similar in habit to "Kentucky Wonder Green Pod," and as early. Pods are golden yellow, and so fleshy that often the thickness surpasses the width; make delicious eating. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., $2.50.

EARLY GOLDEN CLUSTER WAX. 65 days. Long, stringless; fine quality; pods in clusters; pure white seeds. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., $2.50.

BURGER'S STRINGLESS GREEN POD. 63 days. (White seeded Kentucky Wonder.) Can be picked until frost. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

WHITE CREASEBACK. 65 days. Early; long, round, green, stringless, tender pods; white beans. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

CUT SHORT OR CORN HILL. 65 days. Much used in the South for planting among the corn. Yields well without poles. Short pods, flat to oval in shape; good quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

LAZY WIFE. 72 days. Good shell beans; long, thick, stringless pods. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.00.

HORTICULTURAL CRANBERRY. 70 days. For cool climate; early; flat green pods, spotted seeds; good snap or shell. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

SCARLET RUNNER. 65 days. Ornamental, bright red flowers. Good snap bean. Pkt., 10c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.25.

KENTUCKY WONDER

Delicious Lima Beans

LIMAS should be planted a little later than the other running beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. They may be sown in hills, or in rows, and allowed to run on chicken wire or strings and thinned to eight or ten inches apart. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space.

FORDHOOK BUSH

BUSH

Packet plants 20 ft.; lb., 150 ft.

★Fordhook Bush. **78 days.** The highest quality Bush variety, it grows erect, and its large pods contain 4 to 5 large, thick, beautiful green beans. In contrast with older varieties, which were dry and mealy, Fordhook is tender, sweet and juicy. For heaviest yield give each plant at least 18 inches in the row. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.50.

★Henderson's Bush. **65 days.** An early and prolific bearer of small beans. Thrives in ordinary soil and is an excellent variety for home gardeners who have difficulty growing the larger limas. Crop reliable, very productive, compact form, free from mildew. One of the first Lima beans to mature. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.00.

BURPEE'S IMPROVED BUSH. 76 days. This has larger pods and beans than the original. The vines are heavier and produce larger pods than "New Wonder"—and they mature a week earlier. Vaughan's strain of this excellent sort gives the greatest satisfaction. Pkt., 10c; ½ lb., 30c; lb., 45c; 2 lbs., 80c; 10 lbs., $2.75.

BURPEE'S BUSH. 75 days. Bush 15 to 20 inches high, 24 to 30 inches diameter, large white seeds; thick stems furnish fine support; very productive and splendid quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.50.

NEW WONDER BUSH. 76 days. Of bush lima quality. Plants are large, prolific and long bearing, pods uniform. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., $2.50.

POLE

Packet Plants 15 hills; lb., 100 hills

★Succulence. **75 days.** Earliest of pole limas, it also excels in table quality. It bears beans slightly larger than Henderson's Bush, equal in flavor and tenderness to Fordhook. It is an exceptional producer even for a pole lima. Our western grower has selected this strain for earliness, productiveness and succulence. It can be grown on a pole or allowed to run on the ground. We strongly recommend it as of the highest merit for both home and market. Pkt., 25c; ½ lb., 40c; lb., 75c; 2 lbs., $1.25; 5 lbs., $2.50.

CARPINTERIA POLE LIMA. 85 days. While the seed retains its distinctively green color, it is as prolific as any white lima; the vines are vigorous, bearing quantities of pods, each usually containing four beans. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., $2.75.

EARLY LEVIATHAN. 83 days. Exceptionally early, it equals the main crop varieties for large pods; clusters of 5 to 8 grow together. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., $2.25.

KING OF THE GARDEN. 85 days. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., $2.25.

LARGE WHITE SEEDED. 85 days. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., $2.25.

Beets of Fine Flavor and Texture

QUALITY in beets is measured by an even, globular shape, uniformity in size, bright even color, flavor, fine texture and tenderness. Here as with all vegetables, the difference between a fine and a mediocre strain of one variety may be as great as between different varieties.

Our best seed is grown only from transplanted roots, which are taken up in the fall, carefully graded, stored over the winter and transplanted again in the spring. Only beets which conform to the highest quality standards are planted for seed. Thus improvement is shown annually in progress toward perfection.

While this extra care increases the cost of the seed, the increase is small compared with the added value which improved quality gives to the crop.

Beets are easily grown in the home garden, and provide appealing dishes throughout the year. When they are thinned out in the spring their tops and leaves make a delicious dish. They can be served fresh at all stages of growth, they make excellent pickles, are easily canned, and they keep well in a root cellar.

★Perfected Detroit. **Matures in about 50 days.** In this improved strain of Detroit Dark Red Turnip beet the fine qualities which have made that variety standard for main crop sowing have been strengthened by careful breeding. It is as near perfection as breeding skill has attained, earlier, and almost spherical—the shape which is most desirable for pickling and canning. Its small tops are just right for either dry or wet season, heavy or light soil. The color inside and out is a very dark red, and flesh of fine texture, tender and of excellent flavor. Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., $2.25.

Detroit Dark Red Turnip Beet, the Standard for Main Crop

Crosby's Egyptian, Favorite Home Garden Early

★Crosby's Egyptian. **Matures in about 50 days.** This early variety has long been a home garden favorite; and our strain has maintained and improved its excellent qualities. It is exceptionally tender and sweet, of a deep red with some light zoning, and fine texture. Tops are of medium size, and the roots of a flattened globe shape. This variety excels in table quality.

Vaughan's Selected Stock—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50; by express, 5 lbs., $6.50.

Standard Stock—Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.25; by express, 5 lbs., $5.50.

★Early Wonder. **Matures in about 50 days.** This is a selection of Crosby's Egyptian which differs in shape and color, being slightly deeper and thus more nearly globe shaped, and a darker red. The tops are small, making it a fine variety for bunching. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25. By express, 5 lbs., $5.50.

★Detroit Dark Red Turnip. **Matures in about 53 days.** A main crop variety unequaled as a heavy yielder, and having the qualities which are valued for shipping and canning, as well as for the home and market gardens. Tops are uniform, small and erect. Roots are globe shaped, and very dark red, inside and out, with inconspicuous zoning. It is sweet, and remains tender until maturity.

Vaughan's Selected Stock—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50; by express, not prepaid, 5 lbs., $6.50.

Standard Stock—Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.25; by express, 5 lbs., $5.50.

★Good for All. **Matures in about 54 days.** This is a selection of Detroit, bred to produce uniform roots which can be harvested when 1¼ - 1½ inches in diameter, especially for canning and pickling. It is almost perfectly globular, smooth and uniform in size, with deep crimson even color inside. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

CRIMSON GLOBE. 55 days. Second early main crop, of medium size. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c; 5 lbs., $4.00.

EDMAND'S BLOOD TURNIP. 58 days. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c; by express, 5 lbs., $4.00.

VAUGHAN'S FIRE BALL. 50 days. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

HALF-LONG BLOOD. 80 days. A splendid winter sort. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

LONG SMOOTH DARK BLOOD. 80 days. Long, slender roots seldom more than 2 inches through, matures rather late, but is an excellent keeper. Flesh is dark red, sweet and tender. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

VAUGHAN'S CHICAGO MARKET. 60 days. A main crop variety of great merit; does not soon overgrow when left in the garden, and is a fine keeper. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

EARLY BLOOD TURNIP. 50 days. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c; by express, 5 lbs., $3.75.

IMPROVED EARLY EGYPTIAN. 48 days. The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00; by express, 5 lbs., $4.50.

Brussels Sprouts

Brussels Sprouts are miniature cabbages formed on a plant stalk. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. For late use sow seed in June. The fall crop is best in the home garden.

LONG ISLAND IMPROVED. 85 days. The most satisfactory Brussels Sprouts for American conditions; hardy, early, and a heavy yielder. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., $2.00.

IMPROVED DWARF. 85 days. Dwarf habit and less liable to aphis than others. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., $2.00.

Brussels Sprouts

BEETS should be sown in drills in the garden as soon as the ground can be worked. Each "seed" is really a hard-shelled fruit cluster containing two or three small seeds. A moist seed bed is needed and the ground should be firmed well over the seed. Thinning out will be necessary, and the young beets and tops cooked together make one of the best dishes of the season. Thin to 5 inches apart for best results. The turnip varieties are earliest and most popular. The long or blood beets sown in May are harvested in the autumn for winter use. Early varieties sown in midsummer may be harvested in autumn and stored for winter. The home garden is not likely to be attacked by either insects or diseases which will injure beets. Swiss chard is a variety of beet grown for its leaves. See "Cut and Come Again" Spinach.

Home Garden Varieties—Crosby's Egyptian for the early crop and Detroit Dark Red Turnip or Perfected Detroit for main crop and late crop are recommended to home gardeners as providing the very finest table quality.

Quantity needed to sow: 15 ft. row, 1 pkt. 60 ft. row, 1 oz. Acre, 10 lbs. (Rows 18 in. apart.)

Mangel Wurzel

Sow 6 to 8 pounds per acre. Mature in 90 to 120 days

BARRES SLUDSTRUP. This Mangel holds the world's record for dry matter content. It is a long, reddish yellow, ovoid root. Our seed is from best Danish growers. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., $2.50.

VAUGHAN'S MAMMOTH LONG RED. Largest and heaviest cropper of long red sorts. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., by express, $2.50.

GIANT YELLOW ECKENDORF. Yellow roots, cylindrical 15 to 20 pounds each. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., $2.50.

GOLDEN TANKARD. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., $2.50.

CHAMPION YELLOW GLOBE. Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., $2.50.

GIANT ROSE HALF SUGAR. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., $2.50.

Sugar Beets

The kinds offered below are grown from roots, the test analysis of which showed high sugar content. Prices of the following: Oz., 10c; ¼ lb., 25c; lb., 60c; 5 lbs., by express, $2.50.

VILMORIN'S IMPERIAL. Improved French variety; yields nearly as much as the Mangels.

KLEIN-WANZLEBEN. Wedge-shape tapering to long tail.

Carrots Excelling in Flavor

CARROTS have been improved in quality at the same time their value as a health food has been gaining wider recognition. In addition to uniformity of color, size, shape, tops and season of maturity—which are important to market growers—our special strains are selected for sweetness, and the tenderness and even texture of the flesh, especially for a minimum of "core."

The expense of the extra care needed in selecting the best plants, together with the reduced seed crop which results from discarding the "rogues," necessarily increases the cost of selected strains; but the added cost is insignificant compared with the improvement which results in your crop.

Carrots are not alone one of the most wholesome of foods, supplying precious vitamines, but when half-grown are one of the greatest delicacies possible to place on the table. Persons who say they do not like carrots usually will be found never to have tried them young. The seeds are very slow to germinate and they should be marked in the row with radishes or some other quickly-maturing crop which will be harvested before the carrots crowd. Mellow soil which will not bake over the seeds and will not harden in midsummer is the kind carrots like. Plant in rows 18 to 24 inches apart and thin 3 to 4 inches apart. **Quantity needed to sow 60 ft., of row, 1 pkt.; 300 ft., 1 oz.**

★Redheart (Rotherz). **Matures in about 80 days.** Coming from Germany with high praise, this variety has demonstrated its merit in our trials. It is the finest flavored, tenderest carrot of its type. It has no core of the usual sort, but its rich red coloring is even throughout the flesh. The top is ample for bunching, and the foliage is fern-like. The root is of medium length, blunt, smooth and easily prepared for serving. We deem it the finest variety for the home garden. Pkt., 15c; oz., 30c; ¼ lb., 90c; lb., $3.00.

Morse's Bunching. **Matures in about 80 days.** A new type developed to fill the demand of market growers for a longer and better colored bunching carrot. For a complete description, see Page 10. Pkt., 15c; oz., 30c; ¼ lb., 90c; lb., $3.00.

★Nantes Half Long Scarlet. **Matures in about 68 days.** This early variety is not surpassed in tenderness and sweetness. The tops are small, the roots bright orange, smooth and cylindrical, 6 to 7 inches long. There is almost no core, and this variety gives the home gardener supreme table quality, at whatever stage it is harvested. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00; 5 lbs., $9.00.

VAUGHAN'S SELECT DANVERS. 80 days. It is a half-long type, averaging five and one-half inches in length tapering to a blunt point. The color is a rich, deep orange, the table quality excellent, its yield greater per acre than any other.

Selected Stock—Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00; 5 lbs., $9.00.

HALF-LONG DANVERS. 80 days. Standard Stock. More pointed and slightly smaller than Select. Pkt., 5c; oz., 20c; ¼ lb., 55c; lb., $1.75; 5 lbs., $6.50.

EARLY CHANTENAY. 70 days. This excellent variety is ready to use in sixty days after sowing. Averages 4½ inches in length, tapering slightly from well-set shoulders. It is smooth, of a deep orange color, and of high table quality. Home gardeners may grow this for all purposes. Pkt., 10c; oz., 25c; ¼ lb., 55c; lb., $1.75.

Greater Chantenay. **70 days.** This is a strain of Early Chantenay which resembles the original type in all respects except that it averages 1½ to 2 inches longer. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

EARLY SHORT SCARLET. 65 days. (Dutch Horn). Larger than French Horn and almost as early, 1½ inches thick, three inches long; fine grain, sweet-flavored, rich orange. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

IMPROVED LONG ORANGE. 85 days. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25; 5 lbs., $5.00.

VAUGHAN'S CHICAGO FORCING. 85 days. A nearly cylindrical, blunt pointed coreless carrot, from 1 to 1½ inches in diameter. Among the best flavored and tenderest varieties. Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.

GUERANDE OR OXHEART. 70 days. Is a variety of very rapid growth, each attains a weight of more than one pound. It is thick, 5 inches long, has fine flavor and tenderness. A second early. Pkt., 5c; oz. 20c; ¼ lb., 50c; lb., $1.50.

IMPERATOR. 85 days. 1932-1933. All American Selection, Award of Merit Winner. A new introduction which fills the great demand for a longer carrot than Chantenay, but with equal quality. Imperator has roots 7 to 8 inches long, slightly tapering, and just enough top to bunch well. Color is deep solid orange all through. It is prolific and of high quality, brittle, tender, sweet. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

VERY EARLY SCARLET FORCING. 60 days. (French Horn). Best variety for earliest forcing. Reddish orange-colored roots, nearly round. When matured they are about two inches in diameter. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

NEW CARROT REDHEART, (Rotherz)

RED CORE CHANTENAY. 70 days. The shape is the same as Chantenay. The core is red, giving it the appearance of being coreless. This carrot is more tender and better flavored than the standard Chantenay, but it is also influenced to a great degree by weather and soil conditions. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.75.

CARROTS FOR STOCK

MASTODON OR WHITE INTERMEDIATE. 90 days. Heaviest cropping Carrot. Roots short, white, very heavy at shoulder, easy to harvest. Oz., 10c; ¼ lb., 30c; lb., 90c; 5 lbs., $4.00.

LONG WHITE BELGIAN. 90 days. Oz., 10c; ¼ lb., 30c; lb., 90c; 5 lbs., $4.00.

You Can Grow Your Own Celery

CELERY GOLDEN PLUME

CELERY is often thought to be difficult to grow. Every home gardener whose soil is sufficiently light and rich to produce good lettuce and cabbages may easily produce a family supply of this most welcome delicacy. Start the seed indoors and set the plants out around the middle of May, 8 inches apart for the early kinds and a foot for the winter varieties. Do not work over the plants when they are wet with dew or rain.

Vaughan's Celery Seed is of the finest strains in the world and is used by market gardeners selling to the most exacting trade.

Quantity needed for 400 to 500 plants, 1 pkt., 8,000 plants, 1 oz.

★Golden Detroit. The plants are heavy, compact and full hearted. Stems are broad, very thick, rounded at the edges and the edible portion is about 7 inches long. The leaves are a clean bright green, the stems blanch easily and are very free from strings. This is a pure line selection of the Dwarf Golden Self Blanching type which accentuates the good points of that variety. Under California conditions, plants grow 24 to 26 inches overall and under Florida conditions the plants average 22 to 23 inches tall. Pkt., 25c; ½ oz., 60c; oz., $1.00.

GOLDEN SELF-BLANCHING. Dwarf bunches, with broad, heavy stalks, blanch into a rich, appetizing, golden yellow. Though the stalks are heavier than white varieties, its sweetness, tender crispness, delicious flavor and absence of strings make it a favorite. The French originators of this type have lately introduced a re-selected strain earlier and stronger growing than the older type. We offer the two strains separately.

Tall Strain. French type. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00.

Dwarf Strain. American-Grown. Pkt., 10c; ½ oz., 40c; oz., 70c; ¼ lb., $2.00.

WHITE PLUME. It excels in crisp and tender table quality. Its habit of growing is vigorous, stalks are uniformly white, and large sized.

Selected Stock Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25.

GIANT PASCAL. The stalks are large, solid, crisp and of rich nutty flavor. For Fall and Winter, this is a splendid sort. Pkt., 10c; oz., 35c; ¼ lb., $1.00.

GOLDEN PHENOMENAL. A selection of Golden Plume, taller, growing longer to the first leaf and heavier stalk. Free from any strings, fine flavor and excellent quality. Pkt., 25c; ½ oz., 50c; oz., 90c; ¼ lb., $3.00.

EMPEROR. It is dwarf in type (hence easier to blanch than taller kinds), second early and a good winter keeper. The stems are round. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

EASY BLANCHING. A vigorous grower of medium dwarf height, stalks thick, quality excellent. Pkt., 10c; oz., 50c; ¼ lb., $1.50.

GOLDEN PLUME. A selection from or a cross with the Golden Self-Blanching, the stalks are short—the heart is large, with a protecting tuft of foliage in the middle. More vigorous than Golden Self-Blanching, it withstands heat and blight better. It is a beautiful gold in color, brittle and of the highest table quality. Pkt., 20c; ½ oz., 50c; oz., 90c; ¼ lb., $3.00.

WINTER QUEEN. An excellent winter sort with double the amount of heart of any known celery. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.15.

SOUP CELERY OR SMALLAGE. Green foliage used for soups. Oz., 15c; ¼ lb., 45c.

Superior Strains of Cauliflower

VAUGHAN'S SELECT SNOWBALL

CAULIFLOWER quality is judged by the size and uniformity of the heads and the tenderness and fine texture of the flesh. Production of cauliflower seed has for many years been a specialty with growers in Denmark.

With our Danish growers we maintain relations of long standing and our contracts provide for the most careful selection of stock seed and rogueing of the growing plants, to insure a high standard in the crop which you will grow. Owing to the added expense necessary in maintaining the quality of superior strains, prices of cauliflower seed vary greatly. But the additional cost of the best strains is small compared with the difference in your crop.

Home gardeners have a right to be proud of success with cauliflower. Yet it is not difficult where conditions are right. When plants are set out in June or early July, to mature in October there is seldom any question of getting fine, large heads. For summer heads, sow indoors, transplant to rich, light soil and give plenty of water.

Quantity needed for 150 plants, 1 pkt.; for 1,500 to 2,000 plants, 1 oz.

★Vaughan's Select Snowball. **Matures in about 55 days.** This improved strain of our New Snowball is one of the earliest, dwarf in growth, compact in habit, producing solid white heads which when well grown will measure 9 to 10 inches across and have a perfectly white core. Compared with New Snowball, its heads are more uniform in size and there are more leaves, for protection in bleaching. The seeds are about one-third smaller. Pkt., 25c; ¼ oz., 80c; ½ oz., $1.50; oz., $2.75; ¼ lb., $10.00.

★Vaughan's New Snowball. **Matures in about 55 days.** For early outdoor planting and forcing, as well as for late sowing for the fall crop, this variety is standard. A well grown head measures 9 to 10 inches across with depth in proportion, and a perfectly white core. It is dwarf and compact in growth, and as early as any other. Our strain is the product of years of careful selection. Pkt., 25c; ¼ oz., 75c; ½ oz., $1.40; ¼ lb., $8.50.

VAUGHAN'S EARLIEST DWARF ERFURT. Before the advent of Vaughan's "New Snowball," Earliest Dwarf Erfurt was the standard of early Cauliflowers. In all respects it is similar to Vaughan's New Snowball, but a few days later. Pkt., 25c; ¼ oz., 70c; ½ oz., $1.25; oz., $2.25; ¼ lb., $8.00.

DRY WEATHER CAULIFLOWER. This sort is grown to provide, as far as possible, against hot, dry-weather contingencies of crop failure. It is a very sure header, heads larger than Snowball, and is snow-white, second early. Pkt., 25c; ¼ oz., 75c; ½ oz., $1.40; oz., $2.50; ¼ lb., $8.50.

DANISH SNOWBALL. Later than Vaughan's "New Snowball." A splendid second early. Although not so early, nor as even as Vaughan's Snowball, it gives satisfying profit. Pkt., 25c; ¼ oz., 70c; ½ oz., $1.25; oz., $2.25; ¼ lb., $8.00.

AUTUMN GIANT. In Southern localities this meets with favor as a large heading late fall sort. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

New Sprouting Broccoli

BROCCOLI, which has become popular throughout the country in the last few years, is a cousin of the cauliflower, having a similar but more delicate flavor.

The type which has won greatest popularity differs from cauliflower in its habit of growth. The center stalk produces a terminal head which may be cut, whereupon other heads are produced on lateral branches, which in turn may be harvested. This habit of "sprouting" and the fact that the heads are not bleached are responsible for the description of this type as "green sprouting broccoli."

Typical center heads are shown in the illustration. In addition to the heads, the stem and leaves near them are tender and edible. The yield is large and the season of bearing is long.

The home gardener will find broccoli an excellent crop for late summer and fall. It survives light frosts, and produces well in the cool autumn weather. Sow in the open in May, and transplant to eighteen inches apart in the garden row.

★Italian Green Sprouting (Calabrese). **Matures in about 120 days.** A selected strain of the most popular type from an Italian specialist who has bred it to a high standard of yield, flavor and tenderness. After its large center heads are harvested, smaller heads 2 inches in diameter form at the ends of lateral branches. It continues to bear for eight to ten weeks. Pkt., 25c; oz., 60c; ¼ lb., $1.75.

LARGE WHITE MAMMOTH. This is a type which produces white heads similar to cauliflower. Pkt., 10c; oz., 50c; ¼ lb., $1.50.

BROCCOLI ITALIAN GREEN SPROUTING

In a La Fayette, Ind., home garden which in 1931 did not mature a single head owing to yellows disease. A resistant strain in 1932 shows a 100% stand.

Cabbage, Yellows Disease Resistant

IF you have trouble growing cabbages owing to yellows disease in your locality, try seed of the resistant varieties described below.

Each year the seed stock from which these strains are grown is tested in yellows infected soil at Racine, Wis., where ordinary commercial strains die out completely. Plants which are healthy and of the best types are chosen to produce the first generation stock seed offered below.

All the varieties offered, except Bugner, produce 90 per cent or better healthy plants in this infected soil. Bugner now produces 60 per cent healthy plants, and is constantly being improved in this respect.

Owing to the added expense of growing these superior strains, they cannot be priced in competition with other so-called resistant strains which are several generations removed from selected stock plants.

★Jersey Queen. **65 days.** As near a true Jersey Wakefield as is possible to select in type and earliness. Exceptionally resistant to yellows. This is the first of our resistant strains to mature and is recommended to the home gardener where a cabbage for Summer salad use is desired. Pkt., 15c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

CABBAGE, JERSEY QUEEN

WISCONSIN ALL HEAD EARLY. 70 days. Is the second resistant variety to mature. Will stand for a long time without bursting and is nearly 100% resistant. Large heading general purpose cabbage. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

MARION MARKET. 75 days. The third yellows-resistant cabbage to mature. Of an excellent Copenhagen Market type, though later than select Copenhagen, coming a short time before Glory of Enkhousen. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

★Globe. **80 days.** The resistant Glory of Enkhousen is but 3 or 4 days later than Copenhagen, of excellent flavor. You who think that there is no difference in the flavor of cabbage, should compare a mature Globe with any other cabbage. Pkt., 15c; oz., 60c; ¼ lb., $1.75; lb., $6.00.

CABBAGE, GLOBE

WISCONSIN ALL SEASONS. 75 days. Either a kraut or home variety, but is used more for kraut than any other purposes. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25; lb. $4.00.

BUGNER. 100 days. A winter variety bred yellows-resistant by means of continual selection on yellows soil near Chicago. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00

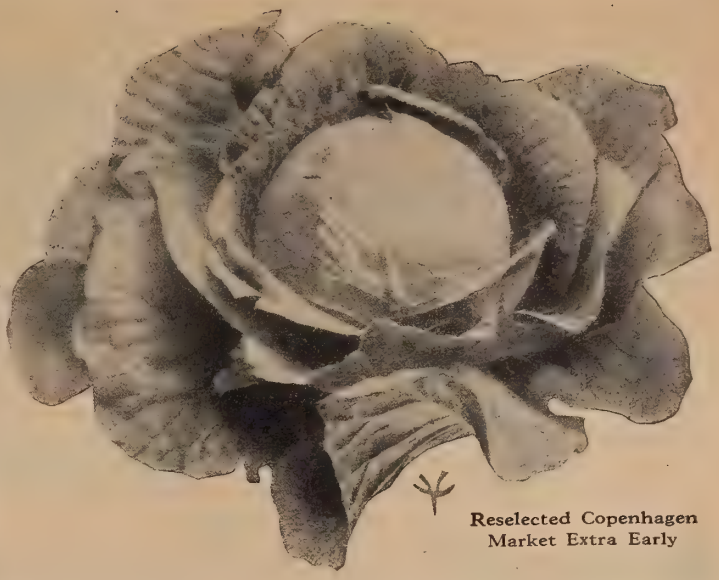
WISCONSIN No. 8. 110 days. A late winter keeping cabbage selected from the Dutch Winter or Hollander variety. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25; lb., $4.00.

Quality Cabbages of All Types

QUALITY in cabbages is judged by uniformity of size and maturity date, tightness of head and crispness. In table quality as well as in points which are valued by market growers, superior strains of all standard varieties excel the ordinary grades of seed. The constant vigilance required to maintain quality, by discarding from the seed growing stock all plants which do not conform to the ideal type, increases the production cost but the increase is small compared to the difference in your crop.

Connoisseurs detect a difference in flavor as between varieties. Here Glory of Enkhousen is considered to excel, with Copenhagen Market next. Home gardeners will find in Savoy cabbage, which is so popular in Europe, a delicious addition to the menu. For cabbage slaw or sour cabbage, red varieties are best. For a late crop, and winter storage, the Danish ball head type should be grown.

Quantity needed for 250 plants, 1 pkt.; 1,500 to 2,000 plants, 1 oz.



Reselected Copenhagen Market Extra Early

★Reselected Copenhagen Market Extra Early. **Matures in about 62 days.** Earliest of the large heading cabbages, maturing even before the conical types, this select strain is of unique value both to home and market growers. It is the result of many years' selection by our European grower, and produces heads round as a ball, crisp, tender and of fine texture. Market growers have reported their entire crop of this strain harvested before heads from other seed of this variety were ready to cut.

Reselected Tested Stock, 60 days, Pkt. 15c; oz., 50c; ¼ lb., $1.50; lb., $5.

Standard Stock, 68 days, Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.

★Golden Acre. **Matures in about 60 days.** This early round headed variety is slightly earlier than our reselected extra early Copenhagen Market and is similar in most other respects, except that its heads are slightly smaller, 4 to 5 lbs. It is of dwarf, compact growth, with few leaves so that the plants can be set close together, and is exceptionally uniform in size and maturity date. Pkt., 15c; ½ oz., 25c; oz., 45c; ¼ lb., $1.25; lb., $4.50.

Early Wonder. **Matures in about 55 days.** This is the earliest round headed cabbage, several days earlier than Golden Acre. It is a special strain selected for earliness and uniformity by our European grower and produces heads two to three pounds in weight. Pkt., 25c; ½ oz., 45c; oz., 75c; ¼ lb., $2.50.

★Glory of Enkhousen. **Matures in about 80 days.** This globe shaped, medium early variety is of excellent flavor and crispness and produces heads weighing eight to ten pounds, and more uniform than the earlier types. Our strain is grown by the originator and is recommended for the main crop in the home garden. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., $2.50.

PENN STATE BALLHEAD. 100 days. A heavy yielding strain of the short stem Danish Ballhead type bred by Dr. Myers of Pennsylvania State College. Yields as high as twenty-six tons per acre have been recorded. Pkt., 20c; ½ oz., 35c; oz., 55c; ¼ lb., $1.60; lb., $5.50.

SURE HEAD. See Premium Flat Dutch.

GOLDEN ACRE.

VAUGHAN'S SELECT EARLY JERSEY WAKEFIELD. 62 days. This extra early conical-shaped head cabbage is a specialty with us, and to secure the best seed on our growing farms we spare no expense. In some sections, conical heads are preferred to round heads for the early crop. The heads are hard, the outside leaves small, so that close planting is possible. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

CHARLESTON WAKEFIELD. 73 days. This sort matures later than "Jersey Wakefield," with heads much larger and uniform. Very popular with Southern growers, it does well on heavy soil. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

VAUGHAN'S ALL SEASONS. 90 days. Suited to every growing season. Even when planted late it keeps well, and is of better quality than big ribbed winter sorts. The heads are large and solid. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.25.

ALL HEAD EARLY OR FAULTLESS. 70 days. Amateur growers who plant only one variety may plant this one. This sort matures large, uniform heads of handsome appearance and unsurpassed quality for eating. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., $2.50.

EARLY SUMMER (New York). 75 days. The heads are round and flattened, of fair size, solid, quality good, have an attractive appearance, being tinged with a peculiar shade of blue. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.25.

EARLY FLAT DUTCH. 75 days. Sure solid header; weighs 10 to 12 pounds. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.25.

SUCCESSION. 85 days. Heads large, flatter than "Early Summer," two weeks later, but more uniform Pkt., 10c; oz., 30c; ¼ lb., 75c; lb., $2.50.

LATE VARIETIES

DANISH BALLHEAD, TALL. 100 days. From Amager Island, Denmark, comes Vaughan's seed of this most famous and popular of winter cabbages. It has a perfectly solid head, unequaled keeping and shipping qualities, correct market size, hard and heavy heads, weighing a fourth more than other sorts of equal size, fine grained, leaves deliciously tender.

Vaughan's Selected Stock. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

DANISH BALLHEAD SHORT STEM. 100 days. Or Dwarf Amager. This variety is almost identical with "Dutch Winter or Hollander." Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

DUTCH WINTER OR HOLLANDER. 100 days. The heads averaging about 8 pounds, very solid, have a distinct, white color; coming out as fine and as perfectly solid in the spring, as when put away in the fall. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00.

VAUGHAN'S PREMIUM LATE FLAT DUTCH. 110 days. Of the Flathead varieties this large-heading sort is the most popular. Seed may be sown in the open ground and plants raised without the use of hotbeds. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

RED CABBAGE

MAMMOTH ROCK RED. 95 days. The hardiest and largest heading red cabbage. Round, very solid and of a deep red color, often weighing up to 12 pounds each. Pkt., 10c; oz., 35c; ¼ lb., 90c.

HACO, EARLIEST ROUND RED. 75 days. This new sort originated in Denmark, and the seed we offer was grown especially for us by the originator. The color is intense dark red throughout, heads trimmed average 3 lbs., each. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

VAUGHAN'S BLACK DIAMOND. 85 days. A new second season black-red variety. Pkt., 10c; oz., 30c; ¼ lb., 90c.

RED YELLOWS RESISTANT. 100 days. Not as large as Mammoth Rock Red, but darker and more uniform color. Pkt., 15c; ½ oz., 45c; oz., 80c; ¼ lb., $2.50.

SAVOY CABBAGE

IRONHEAD. A large solid head, very early. Pkt., 10c; oz., 30c; ¼ lb., 90c.

IMPROVED AMERICAN SAVOY. The best of the main crop of Savoy leaved cabbages. The vigorous short stemmed plant forms a large, fairly solid head, sweet and tender. Pkt., 10c; oz., 30c; ¼ lb., 90c.

Celery Cabbage

Quantity needed for 30 ft., 1 pkt.; 200 ft., 1 oz.

★Celery Cabbage Pe Tsai. The VAUGHAN Strain. This exceptionally fine vegetable is rapidly growing in public favor. Its growth resembles the Cos lettuce, but the outer leaves have the general texture of ordinary cabbage. When the outside leaves are stripped away the cabbage presents a well nigh irresistible appearance. Our strain of this seed is grown in China by a specialist whose family has raised and selected this particular type for many years. The heads blanch without tying. July is the proper planting time. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

CELERY CABBAGE "PAOTING". Genuine "WONG BOK" type. We have obtained from our Chinese growers this new variety of the "Wong Bok" type which differs from the Pe Tsai type in being shorter and thicker. Will mature firm heads thru the summer months. It has produced heads weighing 15 pounds and stands long before going to seed. In crispness and tenderness it resembles the Pe Tsai and has the same fine, celery flavor. It is the largest of the Chinese cabbages. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00.

CELERY CABBAGE "PAOTING"

Cardoon

Main stalks are blanched like Celery; used for salad or in soups. Pkt., 10c; oz., 40c; ¼ lb., $1.00.

Sweet Corn Bred to Supreme Quality

ONLY by the home gardener, who picks and serves it without loss of flavor, can sweet corn be enjoyed at its supreme best. And only when superior strains are grown, capable of producing ears with a maximum sugar content, is the full possibility of this best of all dishes realized.

We are specialists in sweet corn, and grow our finest strains on our own farms. Between our strains and many of the seeds offered under the same names, there is a difference in size as well as in flavor, as great as the difference between varieties. The increase in cost is small compared with the difference in your crop.

Remember that after sweet corn is picked, its sugar content begins to turn to starch, and the sooner it is served, the sweeter it will be. If there is any delay keep it in the refrigerator.

A packet plants 40 hills; a pound 400 hills; 14 pounds an acre.

YELLOW

★Golden Bantam. **Matures in about 64 days.** The tender sweetness of an ear of true Golden Bantam, picked just after it turns yellow and served in half an hour, has never been excelled. To maintain this supreme quality, however, requires constant vigilance, and there is great variation in the seed sold under this name. Our strain is grown on our Michigan farm, where it is selected for size, uniformity and flavor, and runs much larger than the usual type, as well as being supreme in quality. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.00.

Extra Selected Hybrid Strain. This is a superior strain produced by crossing line bred types. It excels in size, sweetness and uniformity and has the extra vigor of a first generation hybrid. Pkt., 20c; ½ lb., 35c; lb., 60c; 2 lbs., $1.00.

★Earliest Golden Sweet. **Matures in about 53 days.** To produce an earlier variety with the quality of Golden Bantam, we have worked many years, and this is the best of many tested. In size and flavor, it approximates Golden Bantam; it has a shorter stalk and ear lower down. It gives you Bantam quality twelve days earlier. Pkt., 15c; ½ lb., 35c; lb., 60c; 2 lbs., $1.00.

GOLDEN 60-DAY. 57 days. It is bred from 60-Day White crossed with Golden Bantam. Except for its beautiful golden color and slightly pointed ear, it is the same in all respects as our 60-Day. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.00.

WHIPPLE'S EARLY YELLOW. 67 days. A 14 rowed ear, 7 to 8 inches in length, of good quality. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.00.

STOWELL'S EVERGREEN

WHITE

VAUGHAN'S EARLIEST. 53 days. The earliest medium sized white. The ear is sufficiently high on the stalk to make picking easy, and is of sufficient size so that 5 dozen will make a bag for the market. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.50.

60-DAY WHITE. 57 days. Among the many extra early, this stands out because of its large ear and good quality. Height 3 feet, ears 10 to 12-rowed, 6 to 7 inches in length. Pkt., 10c; ½ lb., 25c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.00.

VAUGHAN'S MAMMOTH WHITE CORY. 67 days. The ears are long with 10 to 12 rows of kernels set close. The stalks are a little less than medium size, vigorous and prolific, usually averaging two ears to the plant. Our seed is grown and bred on our own farms. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., $1.75.

HOWLING MOB. 70 days. A large-eared fine second early corn. The kernels are small in size, of delightful flavor. Pkt., 10c, lb., 30c; 2 lbs., 50c; 10 lbs., $1.75.

EARLY EVERGREEN. 78 days. It is earlier than Stowell's Evergreen and in northern localities is a surer cropper than Stowell's Evergreen, of which this is a smaller type. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.00.

STOWELL'S EVERGREEN. 90 days. The standard main crop variety. The stalks are strong and vigorous and grow 7 to 8 feet high, and bear ears 8 inches long, with 16 or more rows of the finest sugary grains. Vaughan's Eastern grown seed develops a larger percentage of sugar than seed grown in the Western States.

Select Eastern-Grown—Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 65c; 10 lbs., $2.25.

Western-Grown, Eastern Stock Seed—Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.00.

COUNTRY GENTLEMAN. 90 days. The ears which are 7 to 9 inches long are borne on stalks 6 to 7 feet high. The grain is small and rather round and crowded together on the cob, instead of forming in defined rows. Deliciously tender and sweet. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.00.

VAUGHAN'S BLACK SUGAR or Black Mexican. 90 days. This is a selection of the Black Mexican variety for large ears and high sugar qualities. Ears 10-rowed, 8 inches long. For one who has never grown this corn its quality is a revelation. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs. $2.00.

Our Michigan Grown GOLDEN BANTAM

YELLOW—Continued

GOLDEN GEM. 50 days. This variety developed by the North Dakota Agricultural College, is the earliest yellow sweet corn producing 8 to 10 row ears. Pkt., 10c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 10 lbs., $3.00.

VAUGHAN'S BANTAM EVERGREEN. 75 days. A product of Golden Bantam crossed with Stowell's Evergreen. It has retained much of the quality of Bantam and has the size and tender skin of Evergreen. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.00.

Varieties Resistant to Stewart's Disease

Loss of sweet corn from Stewart's disease or bacterial wilt has increased the last few years. The greatest progress in control methods has been made by the development of resistant strains.

Prof. G. M. Smith of Purdue University has used line breeding, or inbreeding, on plants that showed resistance in infected soil, and then crossed two resistant strains to produce hybrids in order to gain the increased vigor and quality which this usually brings. We offer his best product as Vaughan's Purdue Bantam, below.

Seeking to improve resistant strains in size, flavor and earliness, we have experimented on our own farms and offer two strains thus produced, which show improvement in the respects cited.

We do not say these strains are 100 per cent resistant; they will vary in resistance according to the season and the soil. What we claim for them is that they are resistant to a degree that it pays to grow them in sick soil, also that they are sufficiently resistant to encourage us to continue their improvement. As soon as improved types are available we shall offer them.

VAUGHAN'S PURDUE BANTAM. This was produced by G. M. Smith of Purdue University. It varies from an eight to a twelve and sometimes fourteen rowed corn, of a uniform length of ear, stalk that is taller by twelve inches than the regular Golden Bantam, heavier and darker colored foliage, ten days to two weeks later than our Golden Bantam, varying in resistance to Stewart's Disease under different weather conditions, and soil conditions. Pkt., 25c; ½ lb., 50c; lb., 85c; 2 lbs., $1.50; 5 lbs., $3.00.

VAUGHAN'S GOLDEN CROSS BANTAM. This is a resistant variety of Golden Bantam obtained by crossing the two strains produced by G. M. Smith of Purdue. The foliage is not quite as dark, but is of the same height of stalk. The ears are practically the same, but vary in the number of rows of kernels on the cob. It has the same resistance as the Purdue Bantam, and will produce a heavier crop of more uniform ears. Pkt., 25c; ½ lb., 50c; lb., 85c; 2 lbs., $1.50; 5 lbs., $3.00.

VAUGHAN'S TOP CROSS GOLDEN BANTAM. This variety is produced by crossing our Early Golden Bantam with Purdue Bantam. It is earlier than either Purdue Bantam or Golden Cross Bantam. It is more uniformly eight rowed, though it may vary to a ten or twelve. The stalk is not as tall, but is a little taller than our Golden Bantam. One wishing the earliness and quality of Golden Bantam and at the same time wishing to have resistance, will do well to try this. Pkt., 20c; ½ lb., 45c; lb., 75c; 2 lbs., $1.35; 5 lbs., $2.75.

To aid germination and increase vigor of early planted corn treat with Semesan Jr., 4 oz., 40c.

Two Pounds Prepaid

Catalog prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 112.

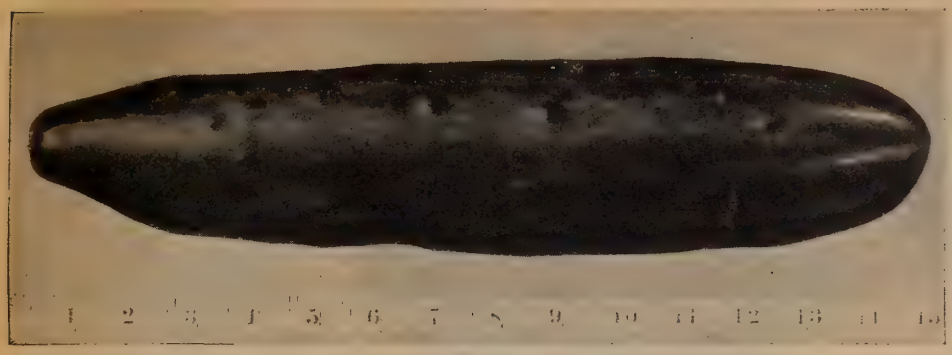
Pop Corn

KANSAS SUNBURST. 110 days. It is a yellow kernel, 16-row ear, 6 inches long. Handsome to look at, wonderful popping quality, making 26 times its own volume. Developed by the Kansas State College and Dept. of Agriculture. Stalks 6 to 6½ feet tall. 2 to 4 ears to stalk. Seeds, pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., $1.00.

SOUTH AMERICAN. 110 days. Usually 2 ears to a stalk. Large yellow kernels, 12 to 14 row ear, 6 to 7 inches long, pops to enormous size, no hard center. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., $1.00.

JAPANESE HULLESS. Pkt., 10c; ½ lb., 20c; 1 lb., 30c; 5 lbs., $1.00.

WHITE RICE. Pkt., 10c; lb., 25c; 5 lbs., 90c.



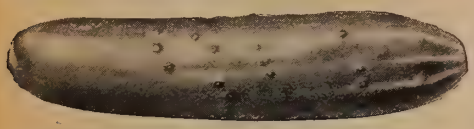
SPLENDID SALAD CUCUMBER—THE VAUGHAN

Cucumbers for Salads and Pickles

TWO distinct types of cucumbers are bred to fill the need for large fruits suitable for slicing to serve in salads, and the smaller, uniform, prolific, pickling varieties. Our special strains in both types are grown with the greatest care to insure that all standards of quality are maintained in your crop. **Quantity needed for 20 hills, 1 pkt.; 80 hills, 1 oz.**

Home gardeners will have no trouble in producing from our strains fruits that not only excel in table quality, with distinctive flavor, and crispness, but also are of exhibition quality in size and appearance. We recommend especially Mandarin, our new Chinese, earliest as well as of the highest quality, and The Vaughan, largest of outdoor varieties.

The seeds must be sown after the ground becomes warm, and the plants thinned to three or four to the hill. A very rich soil is the best precaution against insects and the blight. The striped beetle should be kept away from the young plants by liberal applications of Slug Shot, powdered arsenate of lead or tobacco dust. The under sides of the leaves must be sprayed with nicotine to kill aphis.



★Mandarin. Matures in about 45 days. Earliest of any variety we have tried, this new variety, thanks to its Chinese blood, is also supreme in quality. The Chinese expert Dr. Yamei Kin sent us seeds of famous strains which we crossed with white spine varieties. Of many excellent offspring we have selected the best. It is 10 to 12 inches long, 1 ¼ to 1 ½ inches in diameter, a deep green, with the crispness and flavor for which Chinese cucumbers are noted. Pkt., 15c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

★The Vaughan. Matures in about 74 days. The largest of outdoor cucumbers, it is also of first table quality. Compared to other Long White Spine varieties it is much darker in color, more uniform in shape and size, thinner, and more prolific. It is the ideal American forcing variety, as well as an outdoor sort. Our customers who grow it have greenhouse cucumbers raised outdoors. Pkt., 15c; oz., 30c; ¼ lb., 90c; lb., $3.00.

CUCUMBER, EARLIEST OF ALL. 55 days. A fair size, dark green White Spine. Of special value in localities where blight prevents the maturing of the late and longer sorts; also of value in the South for first crop. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

CUCUMBER, EARLY FORTUNE. 58 days. Medium length White Spine much planted in the South for shipment to the Northern markets. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE. 60 days. A heavy yielder; symmetrical, straight, 7 to 10 inches long. A great favorite in the South. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

DAVIS PERFECT. 58 days. Fine length, slimness, beautiful dark green color and enjoyable crispness, are qualities of this long white spine variety. Its extremely vigorous growth makes it the best blight resister of the long sorts. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.75.

JAPANESE CLIMBING. 58 days. This is a distinct variety having a heavy vine and large leaves and being quite resistant to disease and insects. It is a black spine cucumber and may be used for pickling or slicing. It is good quality and of a dark green color when young turning to a russet-yellow when ripe. May be used on a trellis if desired. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

IMPROVED LONG GREEN. 68 days. Vaughan's strain is improved and developed by re-selection. The vines are vigorous, and productive; the fruit (12 inches long) is very firm and crisp and has a distinctive flavor. The best of the "black spine" varieties. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.75.

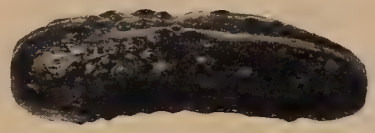
IMPROVED WHITE SPINE. 58 days. Medium size, straight, always fine yielder; light green. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.25.

ROCKY FORD (Klondyke). 58 days. White Spine. A wonderful keeper and shipper. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

EXTRA LONG WHITE SPINE. 60 days. A great blight resister. 8 to 12 inches long. Select Stock. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.35.

DELTUS. 72 days. A dark green cucumber nearly free from spine, may be used for forcing out of doors. Pkt. 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

FORDHOOK FAMOUS. 60 days. White Spine. Handsome, twelve to fifteen inches. Quality superb. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.35.



PICKLING TYPE

★Grow Quick. 48 days. A pickle type similar to Chicago Westerfield in size and shape, but a week or ten days earlier. It usually matures its crop before the early blight appears. Pkt., 15c; oz., 25c; ¼ lb., 60c; lb., $1.75.

★Westerfield's Chicago Pickle. 58 days. Since we first introduced this pickle years ago, it has been a distinguished success. The maintenance of fine shape, right size and excellent quality in this splendid pickle are, as always have been, matters of great pride with us. When ripe the fruit is medium size, blunt at both ends, has prominent black spines. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.15.

IMPROVED JERSEY PICKLE. 54 days. Owing to its light color it makes what pickle men call "light" pickles, excellent for "Gherkins." It is broader at the tip than at the stem end and nearly straight. It is very prolific. Our seed is very uniform. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.15.

SNOW'S FANCY PICKLING. 56 days. The type is shorter than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. The fruit being smaller, blight does not sap the strength of the vine to the detriment of a crop. We offer a strain of most carefully selected seeds from fields inspected by us. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

WEST INDIA GHERKIN. 60 days. A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young. Pkt., 15c; oz., 25c; ¼ lb., 65c; lb., $2.00.

GREEN PROLIFIC OR BOSTON PICKLING. 58 days. Smooth, symmetrical pickle, very early and productive. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.15.

	Pkt.	Oz.	¼ lb.	Lb.
Early Cluster	10c	15c	35c	1.00
Early Frame or Short Green	10c	15c	45c	1.25

ODD CUCUMBERS

LEMON CUCUMBER. 52 days. Not the same as the Garden Lemon, though similar in appearance. It is a real luscious flavored cucumber, a worthy addition to the list. Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., $2.00.

SERPENT OR SNAKE. 80 days. A curious, usually much twisted cucumber. Pkt., 10c; oz., 25c; ¼ lb., 75c.

ENGLISH FRAME CUCUMBER

ROLLISON'S TELEGRAPH. 60 days. English greenhouse grown. Pkt., 25c.

Chicory

★Asparagus Chicory. 80 days. This is a favorite in Italy and has been grown successfully in our trials. A member of the chicory family, it is cultivated for its fresh green shoots which are boiled in salt water and served hot, or in cold salad. They are tender and suggest the flavor of asparagus. New sprouts continually spring from the base, to be harvested and enjoyed. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

WITLOOF (FRENCH ENDIVE). 120 days. A European delicacy now standard in all best hotels and restaurants in the U. S. It is easily grown. Sow in spring; store parsnip-like roots in sand until wanted for growing on in winter; directions on packages. Special strain. Pkt., 10c; oz., 25c; ¼ lb., 85c; lb., $2.50.

WITLOOF CHICORY

Large Rooted Magdeburg. Roots are cut in thick slices, roasted and used as coffee; in spring leaves make good salad. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.60.

Chervil

DOUBLE CURLED. 70 days. An aromatic plant resembling parsley but being superior in flavor. The leaves when young are used for flavoring and garnishing meats. Seed requires four to five weeks to germinate. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

Chives

A perennial herb, a member of the onion family which every garden should grow. The slender, tubular leaves have a delicate onion flavor, just enough to season a green salad when the chopped-up leaves are used. The seeds are used for seasoning. The flowers are a beautiful lavender. Pkt., 10c; ½ oz., 40c; oz., 75c. Plants, 3 for 65c; doz., $2.00; 100, $12.00.

Collards

A leafy plant having foliage similar to that of cabbage, but does not form a head. Is used as a greens and is adapted to districts where the cabbage does not head readily. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Corn Salad

FIELD SALAD. 70 days. (Mache-Stick, Salat). A most refreshing salad. Hardy, much used in Winter in place of Lettuce. Sow either in Spring or Fall. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

Dandelion

THICK leaf or cabbage variety. Cultivated for spring greens, is fast gaining favor. Unlike common sorts, almost double usual size.

Pkt., 25c; ½ oz., 40c; oz., 75c.

BLACK BEAUTY EGG PLANT
Early, for Northern planting

GREEN CURLED ENDIVE

KOHLRABI

Egg Plant

EGG plant likes a rich, loamy soil. Plants should be set out in the garden as soon as danger of frost has passed, in rows three feet apart, the plants two feet apart. Our special strains excel in uniformity flavor and yield.

★Black King. **90 days.** In addition to being far earlier than other varieties, this new hybrid from Japan is a heavy yielder, a vigorous grower in the hottest weather, is free from disease, and of fine table quality. The fruit about two-thirds as large as Black Beauty, but each plant will continue to bear from midsummer until frost, producing as many as thirty fruits. Pkt., 25c; ½ oz., 40c; oz., 65c; ¼ lb., $2.00.

IMPROVED NEW YORK PURPLE. 120 days. Plants grow low, stalky and branching, are early and almost continuous bearing; fruits are satiny smooth, rich purple color and large. Pkt., 10c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

***BLACK BEAUTY. 110 days.** Twelve days earlier than New York. In shape it is broad and thick; it is perfectly spineless and smooth; has beautiful, rich purple color and handsome lustre. Pkt., 10c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

FLORIDA HIGH BUSH. 120 days. Fruits are higher than others on the vine and not as subject to rot or blight, very uniform in size and good shippers. Pkt., 10c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

Celeriac

TURNIP ROOTED CELERY

This vegetable deserves much wider cultivation. Cooked and prepared as a salad, it has a rich, celery flavor. The roots keep well in winter—recipes for preparing enclosed upon request.

LARGE SMOOTH PRAGUE. 120 days. Excels in quality, size and appearance. **A main crop variety,** nearly globe-shape and almost twice the size of Erfurt. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

CURLED GARDEN CRESS

Cress

UPLAND CRESS. 65 days. Has highly prized flavor of Water Cress. Green all year; ready for use before any other salad. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

CURLED GARDEN. 65 days. Used with Lettuce, it adds an agreeable pungency. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.00.

WATER CRESS (Wasser Kresse; Cresson). 75 days. The pleasant flavor of Water Cress makes it one of the most delicate salads. It grows where there is a good supply of pure fresh water; it can also be grown in tubs of good soil in a shady place, if plenty of water is given it. Pkt., 15c; oz., 50c; ¼ lb., $1.60.

Endive

ENDIVE is a delightful autumn and winter salad. Sow seed from middle of June to the end of August. Frost improves the flavor.

★Full Hearted. 75 days. Of the straight, smooth leaf Batavian type, this variety has the largest number of heart leaves, and the finest salad quality of any we have tried. It grows upright, resists drought, and when tied up for bleaching it produces a cluster of creamy, tender, spicy leaves which are easily prepared for serving. Pkt., 15c; oz., 25c; ¼ lb., 65c; lb., $2.00.

GREEN CURLED SUMMER. 70 days. Standard variety for fall and winter. Finely divided leaves make the plant appear mossy, and when centers are blanched it is most beautiful. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.40.

GREEN CURLED WINTER. 75 days. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.40.

MOSS CURLED. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.40.

ROSE RIBBED CURLED. 75 days. A variety of the green curled type which has leaf ribs of red. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.40.

EVER WHITE CURLED. 75 days. Very crisp. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.40.

BROAD-LEAVED WHITE or ESCAROLLE. 75 days. Slightly curled. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.35.

Fennel

FENNEL, Florence. 75 days. An excellent legume with agreeable aromatic flavor, sweet taste and a delicate odor. Height of plant, 2 feet. Directions for culture and use given with each order. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.00.

Horseradish Sets

HORSE RADISH. Roots produce good Radish, fit for use in one season's growth. Plant roots in trench, pressing small end down, and cover with 3 to 4 inches of soil. Doz., 50c; 100, $3.00; 1,000, $18.00.

Kale or Borecole

Greens for early fall, winter and spring. Sow seed about middle of June, later transplant to rows 2 to 2½ feet apart. Dwarf sort can be sown later.

DWARF GREEN CURLED KALE. 110 days. Leaves curly as Parsley, tender and very fine flavor. Immense quantities produced in South find ready sales in the North. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

VAUGHAN'S EXCELSIOR MOSS CURLED KALE. 110 days. Plants grow 18 to 21 inches high and produce as many as 50 edible leaves to a plant. Leaves very early and unsurpassed in flavor. Pkt., 10c; oz., 20c; ¼ lb., 40c; lb., $1.25.

TALL GREEN CURLED. 110 days. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

SIBERIAN. 110 days. Called "Sprouts" and "German Greens." Not so curly as Dwarf Green Kale. Plant dwarf, spreading and very hardy. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Sea Kale

SEA KALE. Plant in rows 4 to 6 feet apart. Seedlings yield a crop third year. Pkt., 15c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

Kohlrabi

Sow in April or May, in rows, thin to 8 inches. The globular fruits grow above ground, are stripped and cooked like Turnips, but are much sweeter.

EARLY WHITE VIENNA. 60 days. White and tender. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.25.

EARLY PURPLE VIENNA. 60 days. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

SHORT-LEAVED EARLY ERFURT. 50 days. For forcing in open ground. White flesh, very tender, short leaves. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., $2.75.

Garlic Sets

SELECTED BAVARIAN. 110 days. Garlic is grown by planting the small bulbs in rows, 4 inches apart in the row. Cover the bulbs with one inch of soil. When the tops turn yellow, lift the bulbs and dry in the shade. To keep for the winter hang in strings in a dry basement. Lb., 30c; 10 lbs., $2.50. Postage extra. Write for latest market prices on quantities.

Leek

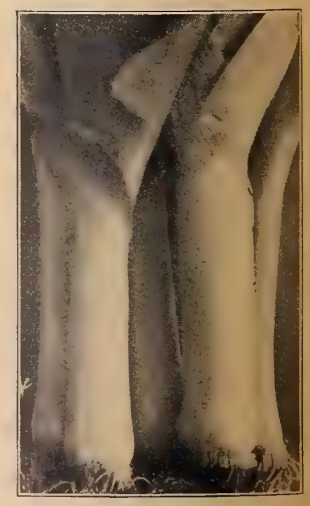
Leek should always be transplanted. Use a dibber, set the plant deep in the hole and do not fill it up, but let the soil wash in. Leeks are cousins of the onions and their flavor is subtly different when used in stews. All varieties mature in about 130 days.

LARGE MUSSELBURG. Enormous broad leaves, mild flavor. Good exhibition sort. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

BROAD SCOTCH or LONDON FLAG. Hardy; a strong plant, with broad leaves. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

LARGE CARENTAN. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

ELEPHANT. Largest of all leeks. Pkt., 15c; oz., 40c; ¼ lb., $1.00; lb., $3.50.



LEEK

BLACK SEEDED SIMPSON, QUALITY LEAF LETTUCE

Leaf, Head and Cos Lettuces

QUICK, tender growth is necessary for quality lettuce. Our strains are selected for earliness, together with vigor in hot weather and slowness in running to seed, which is all important in our midwestern summers. Discovery that green leaves are richer in Vitamin C than blanched leaves, is reviving the popularity of leaf lettuces which are easiest for the amateur to grow. For success with head lettuce, start early indoors, and transplant outdoors to rich soil which can be well watered, as soon as the ground can be prepared. Lettuce soil should be heavily manured or fed well with plant food rich in nitrogen, to stimulate leaf growth.

Romaine or cos lettuce is recommended to home gardeners. It produces tender leaves of fine flavor which may be served green or may be bleached by tieing up the heads; and it is as easy to grow as leaf lettuce. Head lettuce may be matured in the fall more easily than in the spring.

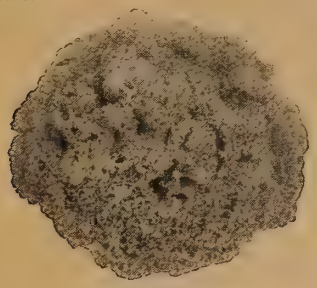
Quantity needed to sow: 30 ft., 1 pkt.; 250 ft., 1 oz.

LEAF LETTUCE

★Black Seeded Simpson. **Matures in about 40 days.** The excellent qualities of this variety have been constantly improved in our select strain. Its large leaves in the rich green color which give proof of Vitamin C content, are thin, tender and crisp, the inner ones forming a loose head. It is one of the most vigorous varieties in hot weather and being slow to run to seed, it gives a long harvest period. It is especially adapted to the needs of the home garden.

Vaughan's Selected Stock. Pkt., 10c; oz., 20c; ¼ lb., 65c; lb., $2.00.

Standard Stock. Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.50.



GRAND RAPIDS

GRAND RAPIDS. 45 days. This home garden favorite, also extensively planted for hotbed or greenhouse growing, is a curly leaved lettuce of upright habit, permitting close planting. An excellent keeper and shipper. The leaves are light green, daintily curled, tender and crisp. The flavor is delicious. Our selected stock has been bred to a high degree of uniformity in type and season.

Vaughan's Extra Selected Stock. Pkt., 15c; oz., 25c; ¼ lb., 65c; lb., $2.00.

Standard Stock. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

CONTINUITY. Matures in about 45 days. This is a new type of loose heading lettuce, looser than Prizehead and with deeper bronze coloring on its leaves. The bronze types stand heat better than others and do not turn bitter. Many like the delicate flavor of this type, which is different from other lettuces. Pkt., 15c; oz., 50c; ¼ lb., $1.50.

EARLY CURLED SIMPSON. 40 days. A white seeded leaf lettuce of excellent quality. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

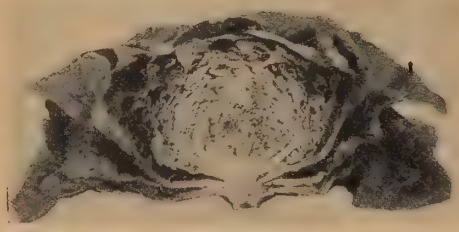
PRIZEHEAD. 45 days. A popular, large, loose heading sort. Leaves finely crumpled and fringed, outer ones shaded brown; very crisp, sweet and tender. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

A PRIZE FOR POULTRY KEEPERS

NEW CHICKEN LETTUCE. 48 days. Here is a genuine lettuce which will yield as much or more chicken or rabbit feed as any "greens" plant. When cut it starts at once to grow again. The leaves can be pulled off each stem like a kale. It sends up a stout stalk three or four feet high, loaded with leaves. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

HEAD LETTUCE

★New York or Wonderful. **Matures in about 75 days.** This is the variety grown in California and shipped the year around to eastern markets. It is the largest of all head lettuces often weighing two pounds. It matures slowly, first forming a conical head which becomes globular, it stands the hot weather well. Because of its size plenty of room must be given between plants. We offer the highly selected strain known on the Pacific Coast as No. 12. Our strain is specially selected for earliness and ability to withstand hot weather. Seed should be started indoors and the seedling plants can be set out when true leaves have been formed, as soon as the soil is prepared. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.



NEW YORK

★Iceberg. **Matures in about 80 days.** This makes a small head which is the tightest of any variety we know, and it resists hot weather well. Its leaves have small indents which fill with dew drops, giving the plant a crystalline appearance, hence its name. It is an excellent home garden variety and entirely distinct from New York, which is sometimes called Iceberg. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.75.

★Improved Hanson. **Matures in about 80 days.** This tight-heading globe-shaped variety excels especially with its vigorous growth in hot weather, which makes it well adapted to midwest conditions. It has broad leaves, beautifuly crinkled, tender and sweet. The outside leaves are a deep green, and the inner ones almost white. Our strain has been grown for years from selected plants, thus constantly improving the earliness and tenderness of this excellent variety. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

VAUGHAN'S ALL SEASONS. 80 days. In 1879 we introduced this distinctive variety. It is still a favorite. Heads are large, solid and handsome, leaves are grayish green, never spotted or brown; they are broad and thick and have decided buttery flavor, the inner leaves blanch beautifully. It stands hot weather well and is slow to run to seed. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., $1.75.

VAUGHAN'S BIG BOSTON. 75 days. With Southern gardeners who ship North, this is considered the best early large heading sort. Its earliness makes it valuable for home gardeners in the north. Large heads of bright green leaves, very tender. One of the best varieties for forcing.

Vaughan's Selected Stock—Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.75.

MAY KING. 60 days. Very early variety. The outer leaves are tinged with brown; they fold close, permitting close planting in frames—tender yellow heart. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

WAYAHEAD. 80 days. As early as May King, but larger. The head is of golden yellow, and the outer leaves light green. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

CALIFORNIA CREAM BUTTER. 75 days. One of the best summer varieties, large solid heads, buttery flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

UNRIVALED. 75 days. A light green strain of Big Boston. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

MAXIMUM OR IMMENSITY. 80 days. A heat resister and one of the largest, green outside leaves, yellow center. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

MIGNONETTE. 80 days. A delicious, crisp, solid, small lettuce. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

ROMAINE OR COS LETTUCE

THIS type of lettuce forms upright loose folding heads, and the inner leaves bleach white. It is usually preferable to tie up the heads to assist bleaching. Esteemed the finest of lettuces in flavor

EXPRESS COS. 60 days. A Vaughan introduction. The most dwarf and earliest of all. Delicious flavor. Self-closing. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

PARIS WHITE COS. 70 days. Grows to large size. Self-closing. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

TRIANON COS. 70 days. Similar to above, but grows whiter and matures earlier. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

EXPRESS COS

VEGETABLE CULTURE, PRACTICAL. By Albert E. Wilkinson.

In this book all phases of vegetable culture are covered from sowing seed to reaping the harvest. There are innumerable garden plans of all kinds and of all sizes; greenhouse, hotbeds, cold frames, home vegetable storage, control of pests and diseases, etc., are discussed in detail. 177 illustrations. 308 pages. Cloth, $2.10 postpaid.

Muskmelons to Fit Your Growing Season

VAUGHAN'S MILWAUKEE MARKET MELON

TO ONE who has tasted a Vaughan's Milwaukee Market muskmelon ripened on the vine, quality in muskmelons has a new meaning. In no other crop does quality deteriorate faster from neglect; or respond more quickly to careful breeding. Our special strains are selected for size, color, flavor, small seed cavity and thick flesh.

Home gardeners will find a great difference between varieties recommended for their use, and those popular with market growers who ship long distances. Seeds must not be sown until the ground is warm; unless they are started indoors or in hot-beds, in berry boxes, or pieces of thick turf. Transplant to the hottest spot in your garden, water well. Remember, muskmelons must ripen on the vine. Except the Honeydew, they do not improve after picking. **Quantity needed for 20 hills, 1 pkt.; 100 hills 1 oz.**

★Vaughan's Milwaukee Market. **Matures in about 87 days.** This is a large melon averaging 8 in. in diameter, with a small seed cavity and thick salmon flesh, which is the sweetest, most delicious flavor and the finest texture of any we know. It does not stand shipping, but is largely used by market growers who can sell near at home. Its original quality has been increased by breeding on our Michigan farms, and has reached its highest point in seed from hand-cut, inspected melons, from our own fields.
Seed from hand-cut, inspected melons—Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.
Standard Seed—Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.75.

★Honey Rock (or Sugar Rock). **80 days.** A wonderfully sweet melon with thick orange flesh and a distinctive flavor, suggesting the Honey Dew taste. It produces heavily and is the earliest quality variety. Oval fruits of medium size, not ribbed. An excellent home garden variety. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.75.

MELON, HONEY ROCK

★Hearts of Gold. **88 days.** The best salmon-fleshed Gem Melon. Introduced by Vaughan's Seed Store. Quality fine grained, not stringy and of the sweetest flavor. Size and shape—just right, so it may be served cut in halves. Flesh and color—deep orange, extremely thick. As a shipper—uniform, like "peas in a pod." Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.50.

★Bender's Surprise. **90 days.** Large, thick-fleshed, heavily netted. Its flavor is wonderfully sweet with almost no stringiness. An excellent home garden variety. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

VAUGHAN'S ORIGINAL OSAGE. **92 days.** In heavy soils, Osage does well; in sandy soil it is at home. Seldom, indeed, is there a poor quality Osage.
Selected Stock—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.
Standard Stock—Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

VAUGHAN'S PAUL ROSE. **88 days.** Another introduction of Vaughan's Seed Store, the result of crossing Osage and Rocky Ford. It is an ideal marketing melon. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.40.

VAUGHAN'S EXTRA EARLY OSAGE. **87 days.** Not as large as Original Osage, but earlier and of equal quality. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.35.

EARLY KNIGHT or Sweet Air. **95 days.** Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

EXTRA EARLY HACKENSACK. **90 days.** Improved "Hackensack," melons weigh 4 to 10 lbs. each. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.15.

TIP TOP. **96 days.** It is yellow-fleshed, sweet, juicy, of finest flavor, edible to the very rind. A strong grower, and heavy yielder.
Selected Stock—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

HONEY DEW. **110 days.** An old-time French melon imported by Vaughan's Seed Store for a melon specialist in Michigan; later found of good commercial value. In short season localities it should be started on sods in the hotbed, as it is several weeks later than the Rocky Ford. Honey Dew is best when quite ripe. Unlike other melons, it grows sweeter as it ripens after being picked. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.75.

HALE'S BEST. **75 days.** Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

GOLDEN CHAMPLAIN. **87 days.** Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.50.

BANANA. **94 days.** Cucumber shape. Delicious odor. A novelty melon for the home garden. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

VAUGHAN'S OSAGE GEM. **92 days.** Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

EMERALD GEM. **87 days.** Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.15.

MANGO MELON OR VEGETABLE PEACH. Makes splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving. Cooking directions on packets. Pkt., 10c; oz., 25c; ¼ lb., 75c.

THE ROCKY FORD TYPE

ROCKY FORD NETTED GEM. **96 days.** Of the green-fleshed muskmelons Rocky Ford is the recognized standard of excellence. We offer two grades of seed: Vaughan's Selected Stock which is saved from specimens of the highest class market melons, and Standard Stock.
Vaughan's Selected Stock—Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.
Standard Stock—Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

POLLOCK, 10-25. **98 days.** Salmon tint. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

EDWARDS PERFECTO. **96 days.** "Salmon-Fleshed Rocky Ford." Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Watermelons

WATERMELONS may be grown under favorable conditions in the North though it requires 100 to 120 days to mature. Soil such as will mature good muskmelons is needed, with plenty of hot weather and no lack of water. Room for the vines to wander is required, preferably 8 to 10 feet between hills both ways. Avoid lifting the vines, and use only hand tools in cultivation. **Quantity Needed for 8 hills, 1 pkt.; 25 to 30 hills, 1 oz.**

★Stone Mountain. **82 days.** A new round melon having red flesh free from stringiness. It matures a few days later than Kleckley's Sweet and may be grown in the north. Very productive and excellent for home use. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

★Cole's Early. **80 days.** The Northern States' favorite. As an early melon it is the standard of high quality. The flesh is rich, deliciously sweet and crisp. It is oblong-shaped, about 20 inches long, 12 inches through; skin mottled green, thin brittle rind, therefore not a good shipper. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00; 5 lbs., $4.00.

★Kleckley's Sweet. **87 days.** This is an old established variety. In its culture the greatest care is always taken by us to retain the excellent qualities for which it has become famous. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., $1.15; 5 lbs., $5.00.

TOM WATSON. **92 days.** The flesh is rich red; crisp and tenderly melting. Pkt., 10c; oz., 15c, ¼ lb., 35c; lb., $1.00; 5 lbs., $4.00.

SWEET SIBERIAN. **86 days.** A very early variety of Russian origin. The melon is dark, of medium size, with yellow flesh of superb quality. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

NEW WONDER. **87 days.** Similar to Kleckley's in shape, but larger and has harder rind. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

NEW CHILIAN. **85 days.** Attractive, of medium size, nearly round, skin deep green. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

IRISH GREY. **90 days.** A mottled greenish grey, equal of any in sweetness and quality. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25; 5 lbs., $5.00.

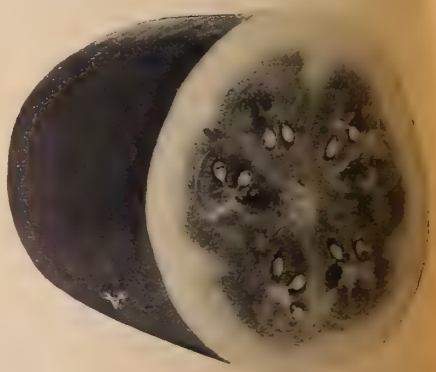
WILT RESISTANT PRIDE OF MUSCATINE. **92 days.** Watermelon Wilt has become serious in some sections. By breeding and selection, this strain of Kleckley's has been secured that is quite resistant. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.
State Certified Stock—Pkt., 15c; oz., 25c; ¼ lb., 70c; lb., $2.25.

CITRON. **90 days.** For preserves. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

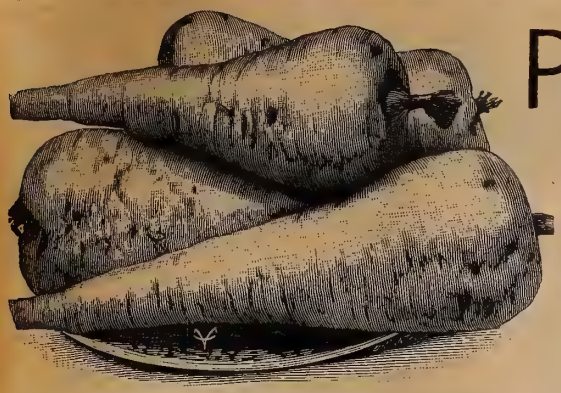
WINTER WATERMELON. Size of Honey Dew, having its long-keeping qualities. Very early, prolific and excellent flavor. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

OTHER GOOD WATERMELONS. The following varieties are especially adapted to conditions in certain parts of the country. Ask market growers in your neighborhood for recommendation.

EARLY FORDHOOK. **85 days.**
ICE CREAM OR PEERLESS. **85 days.**
McIVER'S WONDERFUL SUGAR. **85 days.**
RATTLESNAKE OR GYPSY STRIPED. **85 days.**
FLORIDA FAVORITE. **85 days.**
MOUNTAIN SWEET. **85 days.**
ALABAMA SWEETS. **90 days.**
HALBERT HONEY. **87 days.**
HARRIS EARLIEST. **80 days.**
SWEETHEART. **88 days.**
Any of above: Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.



COLE'S EARLY



VAUGHAN'S MARROWFAT

Parsnips

PARSNIPS may be harvested at times when the garden has little else to offer. Let them remain in the ground over winter, and dig them during a thaw or when the spring thaw comes—they will be as sweet and tender as ever. A freeze is required to sweeten them. For the best results deep soil is needed, and fresh manure should not be used as it will cause the roots to divide. **Quantity needed to sow 25 ft., 1 pkt.; 150 ft., 1 oz.**

★Vaughan's Marrowfat Parsnips. The accompanying illustration tells the story of uniform good size, fine shape, clean, smooth skin, and general handsome appearance, which distinguishes this high-class variety. In richness of flavor it is unequaled. For exhibition purposes it is a winner. Pkt., 10c; oz., 20c; ¼ lb., 45c.

MAGNUM BONUM. A greatly improved strain of "Hollow Crown" Parsnip. As a money-maker for market men we recommend it. It is a heavy cropper, the roots are smooth, but not so long, though somewhat thicker than the original, which makes them easier to harvest. Pkt., 10c; oz., 15c; ¼ lb., 40c.

HOLLOW CROWN, LONG SMOOTH. (Abbott's Improved.) Smooth, large, tender and sugary; one of the best. Our strain is a good selection. Pkt., 5c; oz., 15c; ¼ lb., 35c.

IMPROVED GUERNSEY. An improvement over the parent, "Hollow Crown," than which it is much larger in diameter, but not so long. The roots are more easily gathered. This sort gives general satisfaction. Of excellent sugary flavor. Pkt., 5c; oz., 15c; ¼ lb., 35c.

VAUGHAN'S NEW INTERMEDIATE. This new sort does not require soil so deep for its cultivation as the older sorts. It is quite equal in quality to the older varieties although the roots are only one-half to two-thirds as long under ordinary conditions. On heavy or clay soil Intermediate is especially good. Roots smooth and handsome and easily harvested. Pkt., 10c; oz., 15c; ¼ lb., 40c.

VAUGHAN'S XXX PARSLEY

Peppers, Sweet or Hot

LIKE egg plants and tomatoes, peppers should be started indoors, as they take four to five months to mature. They are easy to grow, thrive in cool weather and will endure some frost. The plants should stand eight to eighteen inches apart in rows. They are constantly becoming more popular, both in salads and for use in cooking. A dozen plants will supply an average family. **One packet produces 75 plants; one ounce, 1000 plants.**

★California Wonder A mild, sweet, mid-season variety, very large, measuring 4½ inches in length by 4 inches in diameter. It resembles Chinese Giant in form, but has an extremely thick flesh which that variety does not; crimson fruit. One of the heaviest peppers grown, not as prolific as some but much more desirable. Pkt., 20c; ½ oz., 40c; oz., 70c; ¼ lb., $2.25.

★Vaughan's Giant Magnum Dulce. The fine pepper has appropriately been styled the "Salad King." But it is not in salad form alone that it excels. The seeds having been removed it may be stuffed, either with dressing as used in fowl or with meat, such as ground steak with onions or other seasoning. Sliced and fried as egg plant, it is a delicious dish, or it may be eaten raw, it is so mild. It can be grown to immense size—seven inches long and 4 inches through—but when grown so large the yield is small. To get a large yield of medium sized peppers, pinch off the "king flowers," the first ones to open. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., $2.25.

★Harris' Early Giant. This is the heavy yielder among the large peppers. It is also earlier than other large kinds. The plants are vigorous, 18 inches to 2 feet tall; and the peppers 3½ by 5 inches. Color, deep green turning to red; flesh thick and very sweet. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., $2.25.

WORLD BEATER. A large sort, a cross between Chinese Giant and Ruby King, having the longer shape and earliness of the latter with the size of the former. Fruits 5 inches long by 3½ in diameter; flesh thick and mild; very productive and a good shipper. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

CRIMSON GIANT. An especially desirable sort for the Central States as it matures the earliest of all the large red sweet peppers. In habit the plant grows two and one-half feet high and bears a large quantity of fruits. The peppers are large, run even in both size and shape. The color is deep green when young and a rich red when ripe; flesh thick, sweet, and mild. Pkt., 10c; ½ oz., 45c; oz., 75c; ¼ lb., $2.50.

CHINESE GIANT. This standard variety is larger than "Ruby King," but not so large as "Magnum Dulce." It is very prolific for so large a pepper. The productiveness may be increased by pinching off the first or "king blossoms." The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size; the flesh is unusually thick, mild flavor and makes a very fine salad sliced and served like tomatoes. The color is green turning to glossy scarlet when ripe. Pkt., 20c; ½ oz., 45c; oz., 75c; ¼ lb., $2.50.

HUNGARIAN. A long, slender type of hot pepper much prized for canning. It is 1½ inches in diameter at the base and tapers to a point. The fruits are often 10 inches long, and are a pale green turning to a rich red at maturity. Pkt., 15c; ½ oz., 40c; oz., 70c; ¼ lb., $2.25.

HARRIS EARLY GIANT

RUBY KING. One of the most popular varieties, growing 4½ to 6 inches long, 3½ to 4 inches thick. The peppers are a bright ruby-red and are among the best sorts for pickles. Quite sharp in flavor. Pkt., 5c; oz., 45c; ¼ lb., $1.25.

BULL NOSE, HOT. A pungent very early pepper. Pkt., 10c; oz., 45c; ¼ lb., $1.40.

PIMENTO PERFECTION. Flesh extremely thick and very mild. Must be started early in the North to mature. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00.

LARGE BELL. Large blocky fruit, usually mild. Pkt., 5c; oz., 45c; ¼ lb., $1.40.

CAYENNE. Long, red and very hot. Pkt., 10c; oz., 50c; ¼ lb., $1.50.

VAUGHAN'S SWEET MOUNTAIN. The fruit when young is a bright, deep green, without shade of purple; when ripe a handsome red. The habit of growth is strong and it is very productive; the flesh, is very mild and thick. The peppers often grow 6x4 inches. Pkt., 10c; oz., 45c; ¼ lb., $1.50.

OTHER PEPPER SORTS

SWEET SPANISH MONSTROUS. Very mild to the taste. Late maturing. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

GOLDEN QUEEN. Pkt., 10c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

TABASCO. Hottest of all. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $2.00.

RED CHILI. Good hot pickling. Pkt., 10c; ½ oz., 50c; oz., 75c; ¼ lb., $2.25.

Pungent Parsley

PARSLEY should be sown early because it is very slow to germinate; and it is best to use radish seed mixed with the parsley seed to mark the rows.

Rich and mellow soil is desirable for best results. When the plants are well up thin to 8 to 12 inches in the row. When the plants of the curled varieties are about three inches high, cut off all the leaves. New growth will be brighter and better curled.

The rooted parsley provides excellent flavoring for soups and stews. **Quantity needed to sow 50 ft., 1 pkt.; 200 ft., 1 oz.**

★Vaughan's Champion Moss Curled. In England this is a prize winning variety. Robust, compact plants are quickly produced, the leaves are so crumpled and curled as to have the appearance of curled moss, with rich, green color; it is quite hardy, slow to run to seed and may be grown in pots or window boxes. Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., $1.50.

FERN LEAVED. Leaves so nicely and delicately cut as to resemble the fronds of a fern. Good green color and nice flavor. Pkt., 10c; oz., 25c; ¼ lb., 50c; lb., $1.50.

VAUGHAN'S XXX PARSLEY. The daintily curled leaves of delicate green, appetizingly fresh and beautiful, add zest and richness to substantial or delicate viands. It grows very dwarf in the garden—many of our customers plant it as a border. It also is valuable in the hotbed, greenhouse, or in pots in winter, taking small space. Vaughan's XXX Parsley was chosen after many trials and a careful inspection trip through Europe where the seed is grown. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

PLAIN or ITALIAN. The leaves are not curled However, the flavor is excellent and plant is very hardy. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., $1.00.

DOUBLE CURLED. A very fine dwarf, handsome green, curled variety. Pkt., 5c; oz., 15c; ¼ lb 40c; lb., $1.25.

HAMBURG ROOTED or GERMAN. The root resembles a small parsnip and the edible part of this sort; used for flavoring soups. Our strain is of exceptional quality. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Grow Your Own Mushrooms

TO GROW a crop of Mushrooms in your own basement cellar or well-built outbuilding—is a home gardening effort worth making. While these are quickly salable, we are sure most of our readers would insist on eating their own crops! The location of the beds must be one where a temperature of 55 degrees to 65 degrees can be kept during cold weather. A barrel may be used in which to confine the manure for growing. We print and give FREE with orders for our Mushroom Spawn a leaflet, "How to Grow Mushrooms." We supply the highest quality of Mushroom Spawn to the largest commercial "caves" in the country, both from our Chicago and New York stores.

Ask for Directions, How to Grow Mushrooms on Lawns and Pasturelands.

PURE CULTURE BOTTLE SPAWN

This spawn is made in glass jars under absolutely sterile conditions, so that every mould, weed seed or insect is destroyed and each bottle contains nothing but pure spawn. One carton equals 5 bricks of ordinary spawn and is sufficient to spawn about 40 square feet. The Spawn is dried thoroughly and wrapped in paper and packed in cartons, with full directions how to grow mushrooms.

Per carton.....$ 0.90 — 25 cartons for...$18.75
12 cartons for... 9.00 — 50 cartons for... 36.50

If wanted by Parcel Post allow for postage at zone rate, weight about 1 lb. per carton.

PURE CULTURE BRICK SPAWN

One brick will spawn 8 to 10 square feet. Pure White. Cream or Brown.

Per brick.....$ 0.35 — Per 10 bricks....$ 2.75
Per 5 bricks.... 1.50 — Per 25 bricks.... 5.50
Per 50 bricks.... 10.00 — Per 100 bricks... 18.00

If wanted by Parcel Post add postage at zone rate, weight about 1 lb. per brick.

Mushroom Cartons—lb. size $1.75 per 100 or $15.00 per 1000, postage at zone rate, 100 cartons weighing 11 lbs.

Mustard

Leaves useful as salad or boiled like Spinach. Matures in 30 days.

CHINESE SMOOTH. Large, light green, smooth leaves, borne well above the ground. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 85c.

FLORIDA BROADLEAF. Upright growing, deep green leaves, fairly smooth. Desirable for greens because of the ease of preparing and its pleasant pungent flavor. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

GIANT SOUTHERN CURLED. Large leaves often measure 14 inches; ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves boiled like spinach. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 85c.

IMPROVED OSTRICH PLUME (Fordhook). The handsomest of the mustards. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

WHITE. Good for general use. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 65c.

Tendergreen

TENDERGREEN. A new variety of greens, producing only a small root, but large dark green leaves having a small rib. It is the only vegetable that is ready for table or market in 21 to 25 days after planting, and will produce 8 to 9 crops a year. An exellent addition to the list of greens. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c 5 lbs., $2.50.

Okra

OKRA pods are used in soups, stews and salads. It is a hot weather plant, but can be grown in the North much like corn, the plants being started indoors in paper pots. The pods should be gathered each day while still tender and pulpy. **Matures in about 50 days.**

Quantity needed for 15 ft., 1 pkt.; 50 ft., 1 oz.

WHITE VELVET. Produces pods larger than any other. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

TALL or PERKINS MAMMOTH. The long pods, measuring 4 and 5 inches, are produced in great quantities. Pkt., 10c; ¼ lb., 25c; lb., 75c.

DWARF. Grows low but stocky and is very productive. Pkt., 10c; ¼ lb., 25c; lb., 75c.

DWARF LONG POD. Same as Dwarf but taller, pods longer. Pkt., 10c; ¼ lb., 25c; lb., 75c.

WHITE — RED — YELLOW
VAUGHAN'S BOTTOM ONION SETS

Onion Sets and Plants

THE first home garden harvest in the spring is young onions from sets. If perennial sets are planted in the fall, a crop is reaped long before the first outdoor seeds have sprouted. Spring sets can be put into the ground as soon as it is able to be worked and in a few weeks the delicious young onions are ready to serve on the table. Plantings may be successively late into the summer, as long as the sets remain in good condition.

Quantity needed for 75 to 100 ft., 1 qt.

WHITE BOTTOMS. Our sets of these are very choice, small, dry and unsprouted. Pt., 25c; qt., 40c; ½ pk., 85c; pk., $1.50.

YELLOW BOTTOMS. Fine dry sets, medium in size and unsprouted. Pt., 20c; qt., 35c; ½ pk., 70c; pk., $1.25.

RED BOTTOMS. Bright, deep red in color, even and dry. Pt., 20c; qt., 35c; ½ pk., 70c; pk., $1.25.

EGYPTIAN OR RED PERENNIAL. This variety never forms a large bulb; its value lies wholly in its **special adaptability to produce Green Onions** for Spring or Fall use which are perfectly hardy and stay in the ground all the time. We sell in fall only, to be planted for early spring crop. Pt., 20c; qt., 35c; ½ pk., 60c; pk., $1.00.

WHITE MULTIPLIERS. Especially valuable for the First Early Spring Bunch Onion. They are of a pure silvery-white color which runs well up the stem, and in flavor, very mild and sweet, far superior to the green onions from other sets. **There are usually several** stalks from a single bulb and in this way they are very productive. Their most important quality is extreme earliness, being ready for eating ahead of any other kind. Pt., 25c; qt., 40c; ½ pk., 90c; pk., $1.50.

SHALLOT'S OR YELLOW MULTIPLIERS. Flavor much superior to ordinary onions. Pt., 15c; qt., 25c; ½ pk., 65c; pk., $1.15.

GOLDEN GLOBE. Sets, qt., 35c; ½ pk., 70c; pk., $1.25.

YELLOW POTATO ONION SETS. Grown for young onions. Pt., 25c; qt., 40c; ½ pk., 85c; pk., $1.50.

BERMUDA ONION PLANTS

These are new, and especially suitable for home gardens. Seed is sown early in Texas, and the plants are lifted, to be replanted in Northern garden, to produce sweet, mature onions of Bermuda quality. Ready April 1st. Per 100, 30c, post paid. Per 1000, $2.00, postage extra; wt., about 6 lbs.

Pint and quart prices for Onion Sets shown on this page include Parcel Post prepayment through first three zones. For further zones add 5c per pound. In figuring cost remember each quart weighs 1½ pounds.

EGYPTIAN OR RED PERENNIAL SETS FOR FALL PLANTING

Onion Seed of Flat and Pickling Types

Quantity needed for 25 ft., 1 pkt.; 125 ft., 1 oz.

EXTRA EARLY FLAT RED. 85 days. One of the handsomest red onions, and will ripen two weeks earlier than other strains. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00.

BROWN AUSTRALIAN (Flat). 95 days. A very desirable onion of medium size, with amber brown skin and solid white flesh. It is early, a heavy yielder, and a long keeper; keeps well in warm climates. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

ITALIAN ONION SEED

VAUGHAN'S PICKLING. 70 days. One of the best white onions for pickling; it is small, round, hard, crisp and tender, early and ripens uniformly. A very handsome sort with opaque white skin. Excellent for green onions. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.25.

WHITE PEARL. 70 days. Remarkable for earliness and very mild flavor, it is small and white-skinned. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.25.

WHITE BARLETTA. 65 days. Beautiful waxy white. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.25.

STRASBURG OR YELLOW DUTCH. 100 days. Large and more flat than Yellow Danvers, has white flesh of fine grain, mild, well flavored—a splendid yellow onion for sets. Our seed is very carefully grown, and has no superior. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

Bermuda Onion Plants started in Texas and sent North to grow on in your garden will give you backyard Bermudas with little trouble.

WHITE PORTUGAL OR SILVERSKIN. 95 days. This beautiful white onion is a splendid sort for growing white onion sets, pickles and for early bunching green onions. Vaughan's White Portugal or Silverskin is a medium size bulb, flat shape, as shown in the illustration. It has fine mild flavor, and is best of the white onions for keeping. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.25.

GOOD PICKLER — FINE KEEPER

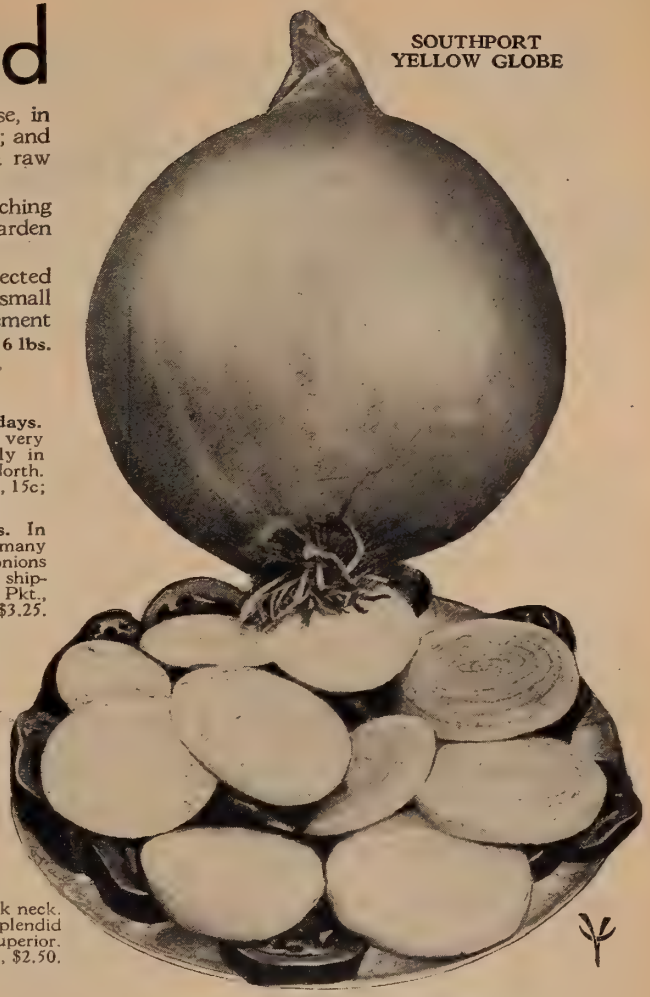
WHITE PORTUGAL

Superior Onion Seed

ONIONS are of two general types, the hard, dry type grown for winter use, in which uniformity of shape, thickness of skin, and size are quality points; and the much larger, juicier and milder Spanish or Bermuda type, which is eaten raw in salads in both the sprout and the bulb stage.

For the production of green onions, both types are used, as well as bunching varieties which are especially suited to this use. For green onions in the home garden we especially recommend Riverside White Spanish.

Our strains are grown from mature onions which have been carefully inspected for conformation to type, and excel in productiveness and uniform quality. The small additional cost over ordinary seed is insignificant compared to the great improvement in your crop. **Quantity needed to sow: 25 ft., 1 pkt.; 125 ft., one ounce; acre, 6 lbs.**



SOUTHPORT YELLOW GLOBE

SPANISH OR BERMUDA TYPE

★Riverside Sweet Spanish. **110 days.** This is a California grown strain of the Spanish (Denia) onion. With us it grows larger than the American Prizetaker and does not produce the "stiff-necks" usual in the Spanish type. It is the most popular onion in Southern California and when grown as a specimen attains enormous size, 4 to 4½ pounds. In color it has a cream or pale yellow tint. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00.

★Riverside White Spanish. **110 days.** Largest of the Spanish type, bred from parents noted in Spain for size and mild flavor. It is unequaled for the production of tender, mild green onions for table use, and if grown to maturity produces a large white bulb of remarkable keeping qualities. We recommend it to home gardeners for eating raw both as green onions and in its mature stage. Pkt., 10c; oz., 35c; ¼ lb., $1.00; lb., $3.25.

★Prizetaker—American Grown. **100 days.** Among large onions this one is exceptional for size and beauty; it is of the same type as the large Spanish onions, imported and sold for high prices. Vaughan's American-grown seed has become thoroughly acclimated through many years of very careful, painstaking culture. Prizetaker is a yellow globe that matures to great size under right conditions; it requires a long season and should be started early in hotbed. When properly ripened it is a good keeper. Pkt., 5c; oz., 25c; ¼ lb., 65c; lb., $2.25.

CRYSTAL WHITE WAX. **60 days.** This is a pure white flat onion, very popular in the South, especially in Texas. Also does well in the North. Very sweet. Teneriffe seed. Pkt., 15c; oz., 40c; ¼ lb., $1.15; lb., $3.50.

YELLOW BERMUDA. **60 days.** In Bermuda and Texas a great many carloads of these very large onions are produced annually; they are shipped North for early spring use. Pkt., 15c; oz., 35c; ¼ lb., $1.00; lb., $3.25.

MAMMOTH SILVER KING. **100 days.** Averages 15 to 22 inches in circumference and weighs 2½ to 4 lbs. It matures early and is uniformly large and of good shape. Flat, but thick. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

AILSA CRAIG—Vaughan's Selected Stock. **115 days.** It has a handsome appearance, being large—12 have been known to weigh 30 pounds—it has fine straw-colored skin; these qualities make it excellent for exhibition purposes. The shape is globular and it forms a fine thick neck. It is, for a large onion, a splendid keeper; for eating raw it has no superior. Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50.

FOR WINTER KEEPING

★Southport Yellow Globe. **110 days.** The Vaughan strain of this ball-shaped onion is the most uniform on the market today. Our Eastern seed bulbs are hand sorted and grown under our direct supervision. The ideal Golden Yellow market onion.

Eastern-Grown Seed—Finest type; sold by us for many years. Pkt., 15c; oz., 25c; ¼ lb., 75c; lb., $2.50; 5 lbs.; per lb., $2.35.

California-Grown Seed—Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.25, by express over 5 lbs., per lb., $2.00.

GOLDEN GLOBE

★Golden Globe **110 days.** An exceptionally fine yellow globe onion of superior weight. When grown as a dry onion its keeping quality is superior making it very desirable for the home and market gardener. Has a very deep globe, carrying its greatest diameter well up from the root. Has 3 skins for protection and from seed matures, same time as Southport Globe. From sets it matures much earlier. It is a heavy yielder and a fine keeper. Pkt., 15c; oz., 35c; ¼ lb., $1.00; lb., $3.50.

SOUTHPORT RED GLOBE. **120 days.** A little deeper than Southport Yellow Globe, in color a rich dark red. California grown seed produces a lighter colored onion. A wonderful keeper with finely bred neck and a heavy yielder. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.25; by express over 5 lbs., per lb., $2.00.

VAUGHAN'S SPECIAL YELLOW GLOBE. **90 days.** ("MOUNTAIN" DANVERS.) Slightly smaller than Southport. When aphis damages the late onion crop it does not harm this variety, due to early maturity. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.35.

LARGE RED WETHERSFIELD. **100 days.** An onion of very productive habit and a fine keeper. The skin is deep purplish red, which covers a round, somewhat flattened bulb of purplish white flesh. Moderately fine grain and mild flavor. In poor soil it does best, growing a thinner neck than in strong soil. It is standard in its class, in the South and Southwest. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb. $2.00.

FANCY YELLOW GLOBE DANVERS. **110 days.** This is early, almost true globe-shaped, beautiful yellow skin, pure white flesh, of very fine quality. It has a good size, and a fine thin neck. Vaughan's strain is so near to globe-shape that it passes for globe on the market. The crop ripens uniformly at one time, and its keeping quality is excellent. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

OHIO YELLOW GLOBE. **110 days.** Another of Vaughan's success-winning, globe-shaped onions. It attracts attention by its uniform shape, beautiful color and fine size, in all of which it out-classes the old type Yellow Globe Danvers. Its finely bred neck, large size, solid flesh of mild sweet quality, uniform growth, heavy yielding and superb keeping quality have made it a favorite with all growers. High vitality. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.25; by express over 5 lbs., per lb., $2.00.

VAUGHAN'S IDEAL WHITE GLOBE. **120 days.** A strikingly handsome onion; very early, ripens evenly and is a fine keeper; the small, high-bred neck tells the story of quality; it is a true globe, pure white. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., $3.00; 5 lbs., per lb., $2.75.

JAPANESE OR EBENEZER. **100 days.** There has been a tremendous demand for this yellow skinned Onion for the growing of Onion Sets. Japanese Onion Sets produce a much larger tonnage of marketable Onions than does the old Strasburg or Danvers. Moreover, a smaller per cent of the sets run to seed. Ebenezer is a fine keeper, mild and well flavored. Pkt., 10c; oz., 25c; ¼ lb., 70c; lb., $2.25.

To check thrips on onions, use To-Na-Cide dust on the soil. 5 lbs., $1.50. **See page 102.**

BUNCHING ONIONS

EARLY WHITE WELSH ONION. **100 days.** The best winter bunching onion, forms no bulb. Plants can be propagated from seeds or divisions. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

WHITE BUNCHING ONION. **60 days for bunching; 120 days to mature.** A European onion for early spring and summer bunching. Makes a very nice white tender stalk. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

ONION SEED may be sown as soon as the ground can be prepared. If extra large onions are desired in Northern latitudes, seed may be sown in hotbeds or indoor boxes. It is best to transplant them into paper pots and allow their roots to become well established before setting them in the garden. By this method such varieties as Prizetaker and Ailsa Craig can be grown to extraordinary size.

JAPANESE OR EBENEZER

Your Own Peas Are Sweetest

PEAS are rich in sugar, which begins to turn to starch when they are picked; thus home gardeners alone can enjoy this crop at its best. It is said that the more wrinkles a pea has, the more sugar. Smooth seeded varieties are not so sweet and tender, but they can be planted earlier, as they resist rot in cold ground.

Where hot dry summer weather cuts short the crop, the problem is to get the heavy yield, large size and sugar content of the late sorts, into early yielding varieties which will bear a crop before the summer's drought arrives. Our strains are constantly selected to improve these qualities. **Quantity needed for 100 ft., 1 lb.**

DWARF

★Century of Progress. **Matures in about 72 days.** This is a vigorous growing, heavy yielding variety which bears large, wrinkled peas of the very highest table quality in greater profusion than other varieties of equal quality. It grows 20 inches tall, with heavy foliage of a dark green, and dark green pods 4½ inches long. It is an excellent home garden variety. Pkt., 15c; ½ lb., 30c; lb., 50c; 2 lbs., 90c; 5 lbs., $1.75.

★Laxton's Progress. **62 days.** The earliest and by far the best of the large-podded, large-fruited wrinkled peas. Of all the varieties producing peas of equal quality, this is the heaviest yielding. It bears long pods, averaging one more pea to the pod than Laxtonian. It is an improvement upon Laxtonian, which has hitherto been the finest of the dwarfs for table quality. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., $2.50.

★Little Marvel. **60 days.** The most satisfactory pea in the average home garden. The big point in its favor is that it remains in prime picking condition a week longer than the older sorts. Very productive, hardy, luscious and sugary. Vines 18 inches, pod dark green, well filled. Pkt., 10c; ½ lb., 25c; lb., 45c; 2 lbs., 80c; 10 lbs., $3.00.

IMPROVED STRATAGEM. 75 days. Long dark green pods, produced on vines 2 feet high, of strong, vigorous growth; matures mid-season; pods are filled with peas of immense size, and delicious sweetness and flavor. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

NOTT'S EXCELSIOR. 58 days. Almost as early as the round seeded varieties but far superior to them in quality. Vines about 15 inches high, pods about 3 inches long, each containing 5 to 7 peas of good size, tender and delicious. The vines are vigorous and very prolific. It is easily grown, requires no support and is desirable for the home garden. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.25.

SUTTON'S EXCELSIOR IMPROVED. 64 days. It is a very fine first early dwarf pea, regarded by some as the best of the wrinkled sorts. It is very hardy; can be planted early; vines a. 18 inches high, very prolific; pods are almost square at lower end, larger and broader than the usual dwarf pea, and dark green color. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

LAXTONIAN. 62 days. The New Dwarf Gradus. This is another of Vaughan's Specials that has proved itself a winner for gardeners. It is extra early, has large pods like "Telephone," which are filled with the finest flavored peas. Laxtonian is in season a few days later than the first earlies. It is really a Giant Podded Early Dwarf in a class almost by itself, for size, appearance and productiveness. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., $2.50.

AMERICAN WONDER. 60 days. Is an extra early dwarf wrinkled pea, of standard quality. The vines are dwarfer than Nott's Excelsior, being only 10 to 12 inches high. Pods are firm and well filled with peas of splendid quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.25.

ALASKA, EARLIEST, SMOOTH SEEDED

MEDIUM HEIGHT

A HEAVIER yield without sacrificing quality is obtained from the varieties of peas which require some support. The varieties listed below grow to three feet high and should be given support of chicken wire, or brush between companion rows. The smooth podded sorts may be sown first, and if not allowed to mature too much will be found to be of good table quality.

★World's Record or Improved Gradus. **58 days.** Gradus is the greatest of the wrinkled peas; it is large, early, and in flavor equal to the best wrinkled kinds. It is tender and should be planted in the warmest spot in the garden. Vines 30 inches, pods 4 inches long, beautiful green color, with 7 to 10 or more rich, tender peas in each. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

VAUGHAN'S SELECT EXTRA EARLY. 56 days. (First and Best.) (Maud S.) Vines are 20 to 26 inches high, pods 2½ to 3 inches long, each having 5 to 7 peas. The delicious sweetness, rich flavor and tenderness are the qualities for which our strain is known. Seed white, round and smooth; crop ripens evenly and extra early. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.00.

THOMAS LAXTON. 62 days. This is a selection of Gradus. The season is identical but the pods are square at the end and deeper green. Vines are 3 to 3½ feet high. A better yielder than Gradus. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

ALASKA—CALLED EARLIEST OF ALL. 57 days. Alaska and "Maud S." are in all but color the same; Alaska seed is bluish in color; it is standard for market and canning. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.00.

THE AMEER. 60 days. Very popular with truckers in the South. The peas are smooth, 2 or 3 days later than Alaska, and the pods are almost twice as large. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

Cultural Notes

Peas are a cool-weather crop. They should be sown when the ground is ready to work, without delay. The smooth seeded sorts will stand cold and freezing weather without rotting in the ground, but they are not so tender or sweet on the table as the wrinkled kinds, which are more risky in the wet soil, but still worth taking a chance to get early. Dwarf peas are best suited for the garden where space is scarce. They are early and bear well. It is important to have rich soil, somewhat light, and to give plenty of water if a full crop is to be produced. It will pay to use a balanced commercial fertilizer in the row when the seeds are sown. Do not crowd the seed. It is better to sow in single rows, with two inches between the seeds, or in double rows, the rows six inches apart, and seeds two inches apart. Closer sowing will produce no greater crop. Peas must be cultivated faithfully and when the first crop is finished, they should be pulled up for they will bear no more.

LITTLE MARVEL

EXTRA EARLY PREMIUM GEM OR LITTLE GEM. 58 days. An early dwarfed wrinkled pea, not so upright in habit as "American Wonder," but the vines, which grow 16 to 18 inches high, require no support, and yield great quantities of pods, 3 inches long, filled with peas of fine quality. Pkt., 10c; ½ lb., 20c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.25.

HORSFORD'S MARKET GARDEN. 78 days. Our strain of this sort is very popular with growers. It is later than "Advancer," grows taller, requires no brushing, and is a heavier producer. The pods are well filled with peas of fine quality. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.00.

DWARF TELEPHONE OR DAISY. 72 days. A mid-season maturing sort of merit; vines are dwarf and bear large, bright green pods, each contains 7 to 9 peas of finest quality. This is a splendid variety, of which we offer a high-class re-selected stock. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

VAUGHAN'S DWARF DEFIANCE. 75 days. Pea growers cannot afford to overlook this splendid main crop success; it is without a superior, a grand second early. The vines are vigorous, the pods dark green and immense in size and fullness, like "Telephone." The handsome pods are filled with peas that are sweet and rich flavored. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

La Fayette, Indiana, Sept., 4, 1933

Vaughan's Seed Store, Chicago

I want to thank you for the King Tomato Seed. True to your description. Weight two lb., delicious flavor. Very proud of them.

Mrs. M. J. Ritinour

Two Pounds Prepaid

Catalog prices of peas, beans and sweet corn include prepayment on lots up to 2 pounds. For postage charges on larger lots, see page 112.

THOMAS LAXTON

Tall Peas Yield Best

THE gardener who takes pride in his peas and whose space is unlimited will find the tall-growing sorts unequaled for length of season, heavy yielding and high quality. Support should be given, and they should be planted with plenty of room. Liberal fertilizing will be well repaid.

★Vaughan's Improved Telephone. **72 days.** Of the tall-growing varieties of late peas, "Vaughan's Improved Telephone" is regarded by experienced and successful growers as the best sort for general purposes. Uniformly large pods, 5 inches or more long, filled with 8 to 9 delicious peas. Grows 4 feet high; is a main crop variety, and a heavy yielder. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

CHAMPION OF ENGLAND. 80 days. This is a late season tall pea. The vines grow about 5 feet high, are very vigorous and productive. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

ALDERMAN. 72 days. This mid-season pea is tall-growing of English origin, and a few days later than "Vaughan's Improved Telephone." Exceedingly vigorous and immensely prolific. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

EVERBEARING. 76 days. For late summer and autumn; very prolific variety. Pod about 3 inches long, with large peas of good quality. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.25.

BLACK-EYE MARROWFAT (Late). 80 days. A great yielder of ordinary quality peas. Pkt., 10c; lb., 35c; 2 lbs., 60c; 10 lbs., $2.00.

WHITE MARROWFAT. 72 days. Similar to Black Eye. Popular heavy yielder. Pkt., 10c; lb., 30c; 2 lbs., 50c; 10 lbs., $1.75.

EDIBLE POD PEAS

(Cooked like String Beans)

MAMMOTH PODDED SUGAR. 70 days. A late, large sugar pod pea of finest quality. Vines 4 to 5 feet high. Pods 5 to 6 inches long. Pkt., 10c; lb., 45c; 2 lbs., 80c; 10 lbs., $2.50.

DWARF GRAY SUGAR. 62 days. Vines 16 inches. Pkt., 10c; lb., 40c; 2 lbs., 70c; 10 lbs., $2.50.

Three varieties of peas to be planted at the same time to mature successively.

LAXTON'S PROGRESS
IMPROVED TELEPHONE
CHAMPION OF ENGLAND

1 pkt., each of above, 25c, postpaid.
1 lb., each (3 lbs.) of above, $1.10. Exp. not prepaid.
2 lbs., each (6 lbs.) of above, $1.90. Exp. not prepaid.
10 lbs., each (30 lbs.) of above, $7.25. Exp. not prepaid.

Larger quantities of all Peas at 10-lb. rates.

IMPROVED TELEPHONE

Inoculate Peas For Good Yield

Peas, Beans and Sweet Peas belong to the Legume family—plants that bear their seed in a pod. All legumes form a partnership at the roots with bacteria that are able to secrete nitrogen and give it to the plant. They form on the roots in colonies looking like lumps, called nodules. To stimulate these germs it is necessary to "inoculate" the seed. All agricultural authorities advise inoculation of legumes.

Garden Size, 25c

IRISH COBBLER VAUGHAN'S IMPROVED EARLY OHIO

Northern Potatoes

CERTIFIED STOCK

WE offer Michigan and Minnesota certified stock inspected while growing by authorized state agents and found free from serious diseases and varietal mixture and from vigorous fields. Sorting and grading to No. 1 grade is also required. Stock that is not certified is grown from certified seed.

Certified Stock of any variety listed. ½ pk., 50c; pk., 85c; ½ bu., $1.50; bu., $2.75; 100 lbs., $4.25.

The prices in this catalog represent values at the time this book went to press and are subject to market changes.

Success with potatoes in the home garden requires a rich fairly light soil, not limed and free from fresh manure. Fertilizer strong in potash should be applied and spraying should be done thoroughly. The early varieties may be sown as soon as the soil can be prepared. The first spraying, with Bordeaux Mixture or Pyrox, should be given when the sprouts are a few inches high.

For the Home Garden—Early Ohio and Irish Cobbler are the best early varieties, the former in the East and the latter in the West. One of the rural type is recommended for the late crop.

VAUGHAN'S IMPROVED EARLY OHIO (RED). A week to 10 days earlier than other strains of the same variety. The reason for this is not only in the great care with which our seed is selected, grown and housed, but it is produced under conditions which are the most favorable in the Red River Valley of Minnesota, the natural home of high-class potato seed. ½ pk., 45c; pk., 75c; ½ bu., $1.25; bu., $2.25; 100 lbs., $3.50.

To protect potatoes from scab, dip the seed potatoes just before planting in a solution of Semes n Bel. Four ounces, 50c; lb., $1.50. One pound treats 60 bushels.

EXTRA EARLY SIX WEEKS—The standard early potato in the South. It is round, reddish skinned, rather deep eyes and of medium size. As they appear early in the spring on the northern market they command a large premium. ½ pk., 45c; pk., 75c; ½ bu., $1.25; bu., $2.25; 100 lbs., $3.50.

IRISH COBBLER—EARLY HEAVY CROPPER. An early of medium size, and in light soil maturing almost as soon as the smaller cropping Earlies. Its size, shape, good quality and appearance commend it. Our seed is grown in Red River Valley, Minnesota. ½ pk., 45c; pk., 75c; ½ bu., $1.25; bu., $2.25; 100 lbs., $3.50.

RURAL NEW YORKER, No. 2. Very large, usually smooth, oblong, inclining to round, and rather flattened. Skin and flesh white; quality excellent, season intermediate. Tubers of great uniformity in size. Known everywhere as "Dusty" Rural. ½ pk., 45c; pk., 75c; ½ bu., $1.25; bu., $2.25; 100 lbs., $3.50.

RUSSET RURAL OR PETOSKEY. A superb late variety. Remarkable on account of its freedom from disease. It possesses an attractive russet skin and the tubers, which are white, are very regular in size and unsurpassed for cooking qualities. ½ pk., 45c; pk., 75c; ½ bu. $1.25; bu., $2.25; 100 lbs., $3.50.

CARMAN No. 3. A white, flat variety, which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties fail. ½ pk., 45c; pk., 75c; ½ bu., $1.25; bu., $2.25; 100 lbs., $3.50.

SWEET POTATOES

We offer Yellow Jersey (the most popular northern sort). Grown especially for seed. 10 lbs., 85c; bu., $2.25; by express collect only.

Pumpkins

SOW when the ground is warm and give the plants room to ramble. The partial shade of the sweet corn plot is ideal. A few hills will provide amply for pies and jack-o'-lanterns.

★Vaughan's Small Sugar Pie Pumpkin. 120 days. Well known as the best pie pumpkin. The fruit is small to medium size, with solid fine grained flesh, and a sweet, sugary, delicious flavor. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.25.

★Large Field or "Big Tom" 120 days. The standard pumpkin grown in corn fields for a feeding crop. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

VAUGHAN'S MAMMOTH PRIZE. 120 days. Specimens have grown to 100 lbs. Notwithstanding it is among the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a long season and plenty of room (one plant to a hill). Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

WINTER QUEEN OR WINTER LUXURY. 100 days. A quality pie pumpkin and the best Winter keeper. Nine or ten inches in diameter; its skin is a beautiful deep orange-yellow with a close netting. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

JAPANESE PIE. 115 days. Fine quality, good keeper. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

SWEET POTATO. 120 days. Bell-shaped. White flesh. Used for pies. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.50.

VAUGHAN'S SMALL SUGAR PIE

LARGE TOURS OR MAMMOTH FRENCH. 120 days. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

LARGE CHEESE. 120 days. Large, flat like a cheese box. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

CUSHAW WHITE OR CUSHAW STRIPED. 120 days. Popular Southern sorts; fine flavor. Either one. Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

Serve Radishes the Season Through

THE fact that radishes are so easy to grow, should not blind you to the great difference in quality between fine strains, selected for size, uniformity, color and flavor, and the nondescript product of ordinary seed.

Radishes are probably grown more generally than any other vegetable; and they have been grown for many centuries. No doubt varieties now offered were known in Queen Elizabeth's time. Improvement has been chiefly in shortening maturity time, until now early varieties are ready to eat in twenty days from sowing.

Our strains are grown with the greatest care, which involves considerably increased cost; but the additional cost is small compared with the great difference in your crop.

Radishes supply the first home garden harvest in the spring, and winter radishes may be enjoyed as late as New Year. Quick growth is the secret of success. A rich, light soil is required. The globe and olive varieties grow faster than the long type, and turn pithy sooner; so they must be harvested promptly and will not enjoy hot weather. The long types grow more slowly and are slower to turn pithy, so they endure heat better. Winter radishes should be sown in June or later and allowed to develop in the cool, moist fall weather. **Quantity needed for 15 to 20 ft., 1 pkt.; 75 ft., 1 oz.**

★Early Scarlet Globe Forcing (F). **20 days.** Vaughan's Glasshouse Strain. For hotbed and greenhouse forcing, and outdoor planting. Very early, crisp, mild and tender; rich, bright, scarlet in color, of uniform globe-shape. It is ready for the table in 25 days. For the home, plant every 10 days until into June; again end of August.

Vaughan's Select Stock—Pkt., 15c; oz., 25c; ¼ lb., 45c; lb., $1.25.

Standard Stock—Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

★Giant Butter. **28 days.** This is by far the largest of early turnip radishes. By careful selection, has been bred true to type. It is vivid scarlet and stands for an unusually long period without becoming pithy and is highly recommended for home gardens. Can be planted throughout the summer. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

★Scarlet Turnip White Tip. **20 days.** Vaughan's Selected Stock. This radish is a table dainty, crisp, tender and sweet; it is turnip-shaped, bright scarlet color, with white tip and is a high-class strain for outdoor planting. It combines beautiful appearance with finest radish quality—appealing to the eye and palate.

Vaughan's "Sparkler" Strain for Open Ground.—Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

Standard Stock—Pkt., 5c; oz., 15c; ¼ lb., 25c; lb., 75c.

★Icicle. **25 days.** The finest white which remains crisp and mild long after maturity. It matures early with short top, which permits close planting and forcing. Many of our customers say it is the finest radish they have ever grown. Plant every 10 days for succession. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 90c.

SAXA (F). **20 days.** This is a European variety which has become very popular in the United States. It is one of the very earliest radishes and slow to run to seed. The tops are very small, the radishes are round and bright scarlet. We recommend it for the first planting in the garden, and also for forcing in hotbed and greenhouse. Pkt., 10c; oz., 20c; ¼ lb., 45c; 1 lb., $1.25.

GLOWING BALL (F). **20 days.** A forcing radish of exceptionally brilliant color, smooth skin, short top, one inch or less in diameter. The flesh is of fine texture and the flavor mild. It was the highest rated variety in the 1933 All-America trials. Pkt., 15c; oz., 25c; ¼ lb., 50c; lb., $1.50.

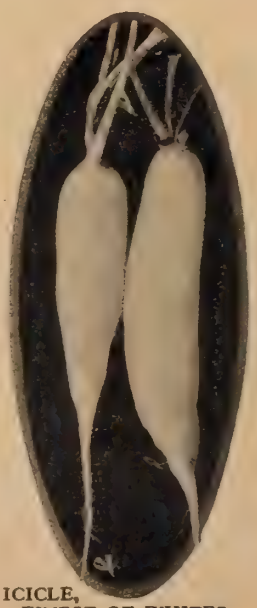
EARLIEST WHITE TURNIP OR WHITE BOX (F). **20 days.** Good for forcing or open ground, tops are short and tap root thin. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

EARLIEST WHITE OLIVE (F). **18 days.** Earliest of all radishes—matures in 15 to 18 days after sowing. This sort is pure white, oblong shape with small tops—can be planted close; a very tender radish. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

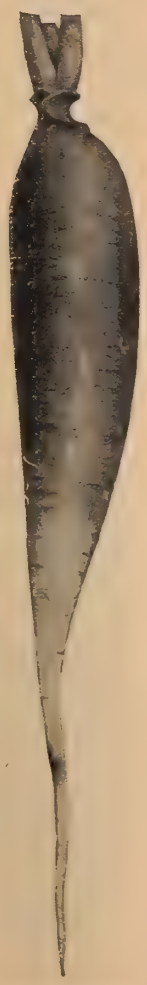
EARLY LONG SCARLET SHORT TOP. **28 days.** A long, straight, smooth, red radish; it grows partly above ground; developing a long, tender crisp and sweet root. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

EARLY SCARLET GLOBE

RADISH, GIANT BUTTER



ICICLE, FINEST OF WHITES



BRIGHTEST LONG SCARLET

(F) Forcing Sorts

CRIMSON GIANT (F). **28 days.** For forcing or outdoor planting. Although twice the size of other forcing sorts this does not get pithy or hollow; the skin is crimson, flesh is white, tender, crisp and sweet-flavored. Sow thinly. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

BRIGHTEST LONG SCARLET. **28 days.** This is a home garden favorite; the body is brightest scarlet color, which blends downward to a long tip of pure white. Matures in 25 days. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 85c.

VAUGHAN'S ALL SEASONS. **35 days.** May be sown from spring to autumn and used at all stages of growth; a round scarlet. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

VAUGHAN'S 20-DAY (F). **20 days.** The quickest Red Olive-shaped radish, matures in 20 days; has attractive, bright scarlet skin, white, sweet, crisp and tender flesh. Leaves being short permits close planting. Fine for outdoor planting or forcing. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

IMPROVED FRENCH BREAKFAST (F). **20 days.** Early olive-shape 2 inches long, with slender tap root, deep red skin, white tip. Flesh is solid, sweet, crisp and tender, fine for the home garden. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

VAUGHAN'S CARDINAL FORCING (F). **18 days.** Of Globe-shaped sorts it is the handsomest; it is larger and more evenly shaped and has also a richer red colored skin than Scarlet Globe and is ready 3 days earlier. Quality, for eating, firmness and flavor are excellent. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

CINCINNATI MARKET. **30 days.** A long red radish, short top. If your market uses a long sort try this one. Pkt., 10c; oz., 15c; ¼ lb., 35c lb., $1.00.

EARLY DEEP SCARLET TURNIP. **22 days.** An old standby. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

EARLY SCARLET GLOBE WHITE TIP. **22 days.** Best and quickest of the white tips; fine quality. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.10.

GOLDEN YELLOW SUMMER. **30 days.** Smooth. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

SUMMER RADISHES

Grow larger than early radishes and remain in good condition longer. All of the following:—Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

IMPROVED CHARTIER. **32 days.** Somewhat resembling Brightest Long Scarlet. It is double the size and later; long scarlet tipped with white.

LONG WHITE VIENNA. **32 days.** Snow white, very brittle and crisp.

WHITE STUTTGART. **35 days.** A turnip-shaped, large white radish.

WHITE STRASSBURG. **42 days.** Larger size and thicker than Vienna. Very solid.

WINTER RADISHES

Do not sow these until the latter part of June.

THE MUNICH. **65 days.** The German knows this as the Beer Radish. Grows from 6 to 8 inches in length; broad at the shoulder, white thin skin; mild and delicious. Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., $1.25.

Prices of each of the following: Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.25.

CALIFORNIA MAMMOTH WINTER. **55 days.** Long, very large size.

ROSE OR SCARLET CHINA. **52 days.** Rose, medium size, fine keeper.

CHINESE MAMMOTH OR CELESTIAL. **55 days.** Immense size, flesh always crisp and mild.

BLACK SPANISH, LONG. Black skin and white flesh.

BLACK SPANISH, ROUND. **58 days.** Like Long Black, only round.

SAKURAJIMA. **65 days.** A Japanese radish of immense size. In shape it is oval with cream-colored skin and pure white flesh. The roots are cooked like turnips, but have no strong taste. Sow in May. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

Rhubarb

★Flare. A variety of erect, compact habit, medium leaves 23 inches long, with stalks of attractive red extending from base almost to tip. This coloring extends through the flesh which is of fine texture, tender, juicy and crisp. It excels in flavor and in general quality is the best we know. Pkt., 25c; ½ oz., 70c; oz., $1.25.

VAUGHAN'S MAMMOTH. Vigorous and productive; stalks fifteen inches long. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

VICTORIA. A popular red strain. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

RHUBARB ROOTS. Set in spring they will furnish leaf stalks the following year. If to go by mail allow for postage, 1-year, 1 lb., 2-year, 1½ lbs.; 3-year, 2 lbs. See page 112 for zone postage rates. 1-year, each, 25c; 3 for 45c; 10 for $1.30. 2-year, each, 30c; 3 for 75c; 10 for $2.25. 3-year, each, 50c; 3 for $1.35; 10 for $4.00.

Oyster Plant (Salsify)

THOUGH not as generally grown as it should be, this is, when cooked, a really delicious vegetable, surpassing in richness of flavor both carrots and parsnips. It acquires a decided oyster flavor after a good frosting. Roots for winter use should be lifted in the fall while those for early spring use may be left in the ground over winter.

MAMMOTH SANDWICH ISLAND. This variety is much more uniform in growth than the old standard "Long White" Variety; it is twice the size and weight; the roots are of superior quality and most delicate flavor. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.50.

SCORZONERA, OR BLACK SALSIFY. Considered by many better than white salsify. Pkt., 10c; oz., 30c; ¼ lb., 85c.

Garden Sorrel

Is boiled and served like spinach, also delicious for soups. As the hot sun tends to increase its acidity, a Northern exposure is advisable. It should be sown in drills 18 inches apart. It is hardy, but the roots should be divided every four years. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.00.

Swiss Chard

★"Cut and Come Again." **45 days.** This vegetable gives maximum returns for little care and space; it yields a constant crop from July to winter. The leaves are used for greens the same as spinach or beet tops. Sow early in spring, in rows 16 inches apart, and thin out to 6 inches in the rows. The leaves grow very large. Cut the leaves off and new ones grow quickly. As it grows, thin out for use and keep clear of weeds. Leaflet of recipes enclosed upon request. Pkt., 5c; oz., 15c; ¼ lb., 30c; lb., 90c.

SWISS CHARD

LUCULLUS SWISS CHARD. 55 days. A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

LYON SWISS CHARD. 55 days. A new variety, selected especially for its broad mid-ribs and stems. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

PERPETUAL SPINACH BEET. 50 days. Very similar to "Cut and Come Again." The leaves are used for greens the same as beet tops. Sow early in spring. Cut the leaves and keep plants thinned out, from 6 to 8 inches in the rows. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., $1.00.

LONG STANDING SPINACH KING OF DENMARK

Modern Spinaches

SPINACH delights in cool moist weather. Seed should be sown at the earliest possible moment in spring in rows one foot apart and thinned to six inches in the row. It matures in 45 to 50 days and quickly runs to seed in warm weather. The Antvorskov variety, listed below, is most free from this tendency. Home gardeners have generally adapted Swiss Chard and New Zealand Spinach as a greens crop, as both may be cut many times and will produce a continuous crop until freezing weather in the fall. A fall crop of spinach may be sown in late July or August and will find the cool, moist autumn weather favorable for growth. The value of spinach in the diet has been scientifically established by the vitamine investigation.

★King of Denmark. **(Antvorskov). 48 days.** In our trials this variety has been slower to run to seed than any other sort. Antvorskov forms quite large tufts (or rosettes) compact and low. The numerous leaves are extra large, broad and rounded exceedingly bushy, slightly crumpled and of a glossy dark green color. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

★Bloomsdale Long Standing. **45 days.** Latest of the Long Standing Spinach introductions. Improvement was accomplished through the selection of hermaphrodite plants (bisexual), which run to seed much more slowly than the unisexual. This variety is of better quality than the Antvorskov (King of Denmark) having larger and Savoy type leaves. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

★Nobel Giant Thick Leaved. **45 days.** The seed of this thick-leaved variety produces the largest spinach under cultivation. They grow rapidly and remain in good condition a long time. The medium-green leaves are large, rounded, slightly crumpled, succulent, and tender. It is an excellent home garden spinach. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

PRINCESS JULIANA. 50 days. This is a new type of "Long Season" Spinach. The leaves are of good size, very dark green, well crumpled and thick. The first plants of Spinach to bolt to seed are the male plants. (Spinach is generally dioecious; i. e., there are male and female plants.) This first bolting seed has been eliminated in this new race by the production of hermaphrodite plants, these plants seeding much later than male plants. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

VIRGINIA SAVOY YELLOWS OR MOSAIC DISEASE RESISTANT. 35 days. A variety originated by the Virginia Truck Experiment Station, a cross between Resistant Bloomsdale Savoy and Manchurian. This is a cool weather variety, for winter in the South and fall in the North. The leaves have markedly the Savoy characteristics. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

VAUGHAN'S TRIUMPH SPINACH. 40 days. Withstands hot weather longer than other sorts; it thereby increases the length of the season a month. It does not wilt or run to seed so quickly as other sorts. Its habit of growth is prostrate, rather than upright; the leaves are thick warted, and fine and tender when cooked. Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

OLD DOMINION. 40 days. The same as Virginia Blight-Resistant in type and quality. Will eventually take the place of Virginia because of its long standing qualities which permits early spring planting. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 75c.

VAUGHAN'S SPECIAL. 50 days. An early smooth leaved spinach being more upright in growth than other spinaches and nearly a long standing variety. Easily cleaned and very tender. Pkt., 10c; oz., 20c; ¼ lb., 30c; lb., 85c.

VAUGHAN'S GIANT FILLBASKET. 50 days. The very largest Early Spinach, the result of careful re-selection. In Europe it holds first place in public favor. Our customers here have had great success with it and are planting it more extensively each year. Its broad, thick, dark green leaves are very crisp and tender and of delicately delicious flavor. Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

VICTORIA SPINACH. 50 days. Remains in prime condition two to three weeks after other varieties, excepting "Vaughan's Triumph," have run to seed. It is of true Savoy type, dense foliage, broad, dark green leaves of best quality; a great heat resister. Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

BLOOMSDALE or NORFOLK SAVOY-LEAVED. 40 days. Is a very hardy sort; the leaves are very thick and blistered, making it a fine shipper; it is a good standard size, and a great favorite with Southern truckers. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

EXTRA LARGE ROUND LEAF. 42 days. Large crumpled leaves. This is one of the best for early use, and if sown again in August is hardy enough for late autumn use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

PRICKLY-SEEDED. 50 days. Very hardy; sow in fall; for late use.

MONSTROUS-LEAVED VIROFLAY. 48 days. Quick, strong growth. N. Y. favorite.

Price of the above, except where noted. Pkt., 10c; oz., 15c; ¼ lb., 20c; lb., 50c.

★New Zealand Spinach. **Tetragonia Expansa. 60 days.** While this is not a member of the Spinach family proper, it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked. Do not sow seed until May 1st or when the soil is fairly warm. Plant in rows 3 feet apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing. Pkt., 10c; oz., 15c; ¼ lb., 40c; lb., $1.00.

Tobacco Seeds

BIG HAVANA. A hybrid Havana. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., $1.25; lb., $3.75.

CONNECTICUT SEED LEAF. Best adapted to climate of Middle and Northern States. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., $1.25; lb., $3.75.

BURLEY. The popular Kentucky sort. Pkt., 10c; ½ oz., 30c; oz., 45c; ¼ lb., $1.25; lb., $3.75.

Newer Squashes and Marrows

SQUASH are growing in popularity with home gardeners. They must be sown in warm, rich soil in hills 8 to 10 feet apart for the vine varieties and 3 to 5 feet for the bush sorts. The squash borer is the principal enemy, and the best protection against it is to cover the vine with soil at several joints. It will take root where covered and limit the damage done by the borer. Vegetable Marrows are considered by many to be superior in flavor to egg plant if sliced when half grown and fried. All squashes may be baked and eaten with butter, in which form they often times are relished by persons who dislike them when mashed and boiled.

★Acorn, Table Queen, or "Des Moines." **55 days.** We can truly say that the height of Squash quality is still unknown to one who has not eaten half a Table Queen baked and buttered. In size Table Queen equals a fair sized husked cocoanut, and a half, baked, serves one person amply. The shell is usually thin and it does not require over twenty minutes for baking or boiling. The color is dark green changing to bright golden after picking and storing. The meat is dry and mealy. It yields enormously—a few hills furnishing an ample supply for a good sized family. (**Cucurbita Pepo.**) Pkt., 5c; oz., 20c; ¼ lb., 50c; lb., $1.50.

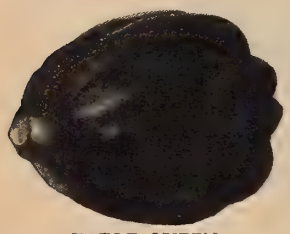


TABLE QUEEN

★New Squash "Kitchenette" (Hubbard). **110 days.** A small edition of the Hubbard Squash developed by inbreeding and introduced by the Minnesota Experiment Station. It was named "Kitchenette" because it is the smallest Hubbard. The squash average about 5 pounds. They are a glossy dark green, fully equal to any Hubbard for quality and keep as well in storage. (**Cucurbita Maxima.**) Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.75.

★"Sweet Potato." **55 days.** A valuable addition to the list of small squashes, is of fine flavor, becoming a popular feature of fall and winter menus. It is an improved Delicata, as sweet as Table Queen. The fruit averages 6 to 8 inches long and they are thick fleshed. When baked and served with melted butter it is a table delicacy of the first order. (**Cucurbita Pepo.**) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

★Vaughan's Chicago Warted Hubbard. **120 days.** Vaughan's Chicago Warted Hubbard Squash has been bred to the highest quality; fruits are large, rough dark green skin, flesh is bright orange, fine grained, rich and dry. (**Cucurbita Maxima.**) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

EARLY YELLOW BUSH. **55 days.** (**Cucurbita Pepo.**) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

GOLDEN HUBBARD. **110 days.** Like original Hubbard, and warted, but average one-half to one-third smaller. The skin is deep orange yellow, flesh golden yellow, fine grained and delicious. (**Cucurbita Maxima.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

ORIGINAL HUBBARD. **120 days.** Not as large as Chicago Warted, but in shape and quality it is similar. (**Cucurbita Maxima.**) Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

BLUE HUBBARD. **125 days.** Similar to original Hubbard in shape and size, quality superior, an excellent winter keeper, having a blue gray shell. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $1.75.

DELICIOUS. **115 days.** A fall and winter variety. The fruit varies in shape, weight ranging from 5 to 10 pounds each. (**Cucurbita Maxima.**) Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

MAMMOTH WHITE BUSH. **60 days.** An improved selection of "Early White Bush," much larger and deeper, has fewer scallops, and is a heavier producer. (**Cucurbita Pepo.**) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

BUSH FORDHOOK. **60 days.** (**Cucurbita Pepo.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

MAMMOTH YELLOW BUSH. **60 days.** (**Cucurbita Pepo.**) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.40.

MAMMOTH CHILI. **120 days.** A popular exhibition sort. Specimens grow as large as 150 pounds. Rich orange yellow color. (**Cucurbita Maxima.**) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

KITCHENETTE

EARLY WHITE BUSH. **55 days.** (**Cucurbita Pepo.**) Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.25.

YELLOW SUMMER STRAIGHTNECK. **55 days.** This is a desirable improvement over the crookneck type. It will pack easier, produce as heavily, and is altogether more desirable than the Crookneck for either home garden or market garden. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

VAUGHAN'S GIANT SUMMER CROOKNECK. **55 days.** Our strain produces fruit nearly double the size of the old "Crookneck." (**Cucurbita Pepo.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

YELLOW SUMMER CROOKNECK. **50 days.** The standard variety. (**Cucurbita Pepo.**) Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., $1.40.

BANANA SQUASH. **120 days.** One of the finest fall and winter squash. Of sweet potato quality, free from stringiness. 12 inches long, 6 inches in diameter, tapering at either end. Gray green color. (**Cucurbita Maxima.**) Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., $2.00.

VEGETABLE MARROWS

★New Italian Marrow. **60 days.** (**Cucurbita Pepo.**) When matured it is 2 feet long, 3 to 4 inches in diameter and very dark green. A bush type and very productive. There is nothing better for slicing in its early growth and if kept picked, will continue to bear until frost. A variety once tried will become a favorite in the home garden. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., $1.75.

COCOZELLE (ITALIAN VEGETABLE MARROW). **60 days.** A bush variety. Fruits oblong, ribbed, 12-16 inches in length. Color dark green marbled with yellow and dark green stripes. Very fine flavor. (**Cucurbita Pepo.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.50.

ZUCCA DE PERGOLA. **65 days.** A vegetable marrow which grows 3 feet in length and 3 inches in diameter. Pale green in color. Used by Italians for slicing and frying like egg plant or baking, stuffed with meats. (**Cucurbita Pepo.**) Pkt., 15c; oz., 35c; ¼ lb., $1.00.

VEGETABLE MARROW. **55 days.** This is a most important vegetable in the English market, but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender. (**Cucurbita Pepo.**) Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., $1.65.

BOSTON MARROW. **100 days.** Very popular for fall and winter; thin rind, orange color, yellow flesh, fine for pies, good keeper. (**Cucurbita Maxima.**) Pkt., 10c; oz., 15c; ¼ lb., 45c; lb., $1.25.

Turnips for the Table

TURNIPS are cool weather plants and thrive best in spring and fall. For early use seed should be sown as soon as the ground can be prepared and will give roots large enough for the table in six to ten weeks. For the fall crop seed should be sown June to August and the plants will grow until freezing weather, when they should be harvested and stored. Rutabagas after a touch of frost are a delightful addition to the winter diet. To avoid maggots, it is best to sow turnips on different soil each year.

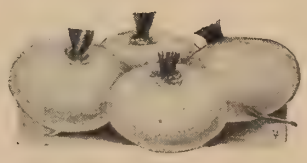
A loose and fertile soil is needed to mature early turnips rapidly.

★Purple Top White Globe. **55 days.** Originated from "Purple Top Flat Turnip," is extensively planted and popular for its fine qualities. The flesh is firm, fine grained, sweet and rich flavored; it is of good size, globe-shaped, fine appearance, a good producer and fine keeper. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c; 5 lbs., $4.00 (by express).

PURPLE TOP STRAP-LEAVED. **45 days.** A table variety, fine, tender and deliciously flavored. It is broad shaped, medium size, white flesh, fine grained splendid quality. Top is dark red or purple, elsewhere white, fine keeper. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c; 5 lbs., $2.50 (by express).

GOLDEN BALL or ORANGE JELLY. **65 days.** Medium size, globular table turnip. Flesh yellow, sweet. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

EARLY SNOWBALL. **50 days.** Small, white, grows quickly, splendid table quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.



PURPLE TOP WHITE GLOBE TURNIP

EARLY WHITE MILAN. **40 days.** This can be used Spring or Fall. The skin is smooth, snowy white, has a polished appearance; medium size, white, tender, sweet. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

YELLOW STONE. **75 days.** Popular variety, yellow flesh, round shape, somewhat flattened; excellent quality for table or market. Good for stock. Pkt., 10c; oz., 15c; ¼ lb., 25c; lb., 60c.

SEVEN TOP. **45 days.** A variety much grown in the South for the tops, which are used as greens. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

LARGE YELLOW or AMBER GLOBE. **75 days.** Fine quality and sweet. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 60c.

EXTRA EARLY PURPLE TOP MILAN. **40 days.** An excellent medium size turnip; smooth white surface, purple top, flat shape, white flesh. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

Table Rutabagas

Mature in 100 days

★Vaughan's Improved American Purple Top is a fine strain of Purple Top. Largest size, best shaped variety, small neck, smooth skin; good cropper and keeper. A heavy yielder. Excellent table quality. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 80c; 5 lbs., $3.50.

BANGHOLM DANISH. Yellow flesh, purple top. This variety has excellent table quality. Danish pedigree seed. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 80c; 5 lbs., $3.50.

WHITE SWEDE. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 80c; 5 lbs., $3.50.

SWEDES AND RUTABAGAS FOR STOCK

Mature in 100 days

MONARCH. A stock crop for early feeding, oblong shape, yellow flesh, fine grain, good flavor, superior in quality and weight. Produces 5 to 7 tons per acre more than any other Swede. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 80c; 5 lbs., $3.50.

TURNIPS FOR STOCK

COW HORN or LONG WHITE. **65 days.** Grows nearly half way out of the ground, carrot-shape, pure white. Oz., 10c; ¼ lb., 25c; lb., 60c.

WHITE EGG. **55 days.** Quick growing, egg-shaped, perfectly smooth, pure white variety, grows half way out of ground with small tops and rough leaves; the sweet, firm flesh is always mild, rich and fine flavored. Oz., 10c; ¼ lb., 25c; lb., 60c.

Tomatoes of All Types and Flavors

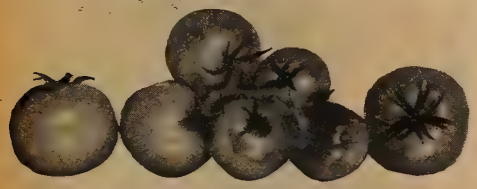
WE have specialized for years in highly selected strains of tomato, many grown on our own farms, and others produced by specialists under contracts which require the rigid selection of fruits from which seed is saved. With the growing importance of disease resistant strains, we have conducted our own trials of each improved resistant variety introduced, and offer originators' strains of those which have proved their merit.

Home gardeners as well as market growers will find that quality strains of tomatoes excel other seed of the same variety to so great an extent, that the size and quality of their crop will be affected far in excess of any difference in the price of seed.

Tomatoes should be started indoors and those unable to do this should purchase plants. The plants may be set in the garden when danger of frost is over. It is important to give them a quick start after transplanting by frequent watering and fertilizing. They should be sprayed with bordeaux mixture to prevent disease, and with arsenate of lead to keep off the tomato worm. Hot sun is needed to ripen tomatoes and plenty of water to keep them growing. If trained to stakes or trellises they will ripen sooner.

Quantity needed for 150 plants, 1 pkt.; for 2,000 plants, one ounce.

A CLUSTER OF PONDEROSAS



VAUGHAN'S AMERICAN BEAUTY

★Vaughan's American Beauty. Matures in about 112 days. Our friend, the tomato connoisseur, W. E. Vail, of Yorktown Heights, N. Y., bred this prolific Globe variety. It is our highest yielding main crop purple. It is firm, smooth, of uniform size, purple cast, sub-acid, with small seed cavity. Pkt., 15c; ½ oz., 35c; oz., 65c; ¼ lb., $2.00.

★New Globe. Matures in about 112 days. This Ball-Shaped variety is ideal for the home garden. It yields a heavy crop and continues to bear until frost. The skin is a smooth, purplish pink; the flesh is firm and it has few seeds. Uniform fruits of the ideal size for salads or canning. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

VAUGHAN'S SELECT EARLIANA. 94 days. Earliest large, smooth bright red tomato. Our strain shows few, if any, of the rough fruits found among many strains of Earliana. This variety is compact in growth, with stout jointed branches; the vines yield well and the fruit is solid and of fine quality. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25.

JUNE PINK. 98 days. In many markets, a pink early tomato is most desired. This is the earliest of the pink varieties and is similar in habit to the famous Earliana. Pkt., 5c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50.

MURRAY'S EARLY WONDER. 100 days. New, extra early scarlet fruited variety, exceptionally productive, nearly round, smooth, of excellent quality, good for home and market gardeners. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

NEW KING. 120 days. This striking variety was originated in the Chicago district and is the largest tomato that we know of. It is about the season of Ponderosa, but grows to nearly twice the size. Ripens uniformly from core to outer skin. Pkt., 20c; ½ oz., 40c; oz., 75c.

★Ponderosa—The Giant Tomato. Matures in about 118 days. Of the large fruited varieties, this one is most popular. The vines are strong in growth, and when planted in good soil and pruned to a single stem, the fruit reaches one pound in weight. Tomatoes grow in beautiful clusters. The fruit is mostly oblong in shape, usually ribbed, is deep purple color, has solid flesh of sweet flavor, and small seed cells. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

★Oxheart. Matures in about 120 days. Popular because of its shape, large size, and excellent table qualities. Not a heavy yielder but large size, often weighing 3 lbs. or more. Skin, pink, almost seedless, firm, sweet flesh frequently two in. thick without a seed cavity, slices well. Pkt., 10c; ½ oz., 50c; oz., 85c; ¼ lb., $3.00.

GOLDEN OXHEART. 120 days. Similar in all respects to Oxheart except that the skin and flesh are of a beautiful golden yellow. Pkt., 10c; ½ oz., 50c; oz., 85c; ¼ lb., $3.00.

DWARF PONDEROSA. 118 days. Fruits as large and in all respects similar to the popular Ponderosa are borne on dwarf vines of tree-like habit, suitable to gardens of limited space. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

OXHEART

GOLDEN PONDEROSA. 118 days. A yellow gem. This is a yellow Ponderosa equal in size to that magnificent variety. Sliced and served with Purple Ponderosa, it makes a highly decorative and appetizing salad. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $1.75.

BONNY BEST. 103 days. A shade later than John Baer. Smooth, large and uniform fruit; yields well until frost. Pkt., 5c; ½ oz., 25c; oz., 40c; ¼ lb., $1.10.

VAUGHAN'S NEW YORK. 115 days. It is a second early red-skinned, firm fleshed tomato of high quality, good size and attractive appearance. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.40.

AVON EARLY TOMATO. 94 days. This is scarlet-fruited, round or slightly flattened, smooth and of fine quality. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.00.

DWARF CHAMPION. 124 days. Owing to its dwarf habit and upright tree-like growth it is a great favorite. It is of medium size, very smooth, purplish pink, symmetrical, flesh very solid. The vine is strong and stiff. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.30.

ACME—Early Purple. 108 days. Very valuable for market gardeners who ship or have a home market, and also for amateurs. The vine is large and very prolific, bearing fruit in clusters of four or five, early and continuously until frost. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

NEW KING IS LARGEST OF ALL

EARLY DETROIT (Purple). 112 days. The equal of any second Early Purple Tomato. Bears uniform, large, handsome, smooth fruit through the long season, yielding in the aggregate more marketable tomatoes than the popular Beauty which variety it most closely resembles. The fruit is firm and almost globe-shaped. Pkt., 10c; ½ oz., 30c; oz., 55c; ¼ lb., $1.60.

BEAUTY (Purple). 112 days. Is the most popular of the large purple sorts. Vines large, vigorous and heavy bearers, fruit large, uniform, very smooth purplish pink skin; flesh light pink. Pkt., 10c; ½ oz., 25c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

CRIMSON CUSHION or BEEFSTEAK. 120 days. Is very large, round and regular; bright scarlet skin, solid flesh of best quality, seed cells small. Plants are very prolific, fine appearance. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.75; lb., $6.00.

MATCHLESS. 120 days. Large, bright red, long keeping tomato. The solid fruit is produced on strong, vigorous, prolific vines. Very distinct. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 90c.

DISEASE RESISTANT

★Break O'Day. 94 days. Developed by F. J. Pritchard, of Washington, D. C. A new wilt resistant tomato that is nearly as early as Earliana and as productive as Marglobe. Its fruits are large, smooth, meaty, red and globular, very similar to Marglobe but usually larger. Used whole for salads or stuffed. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

★Pritchard (Scarlet Topper). 120 days. The fruit is solid, yield heavy and the color a brilliant red. It is a resistant second early of great merit. Pkt., 20c; ½ oz., 40c; oz., 75c; ¼ lb., $2.25.

NORTON or WILT RESISTANT STONE. 120 days. Introduced by the United States Department of Agriculture. It is the result of work accomplished by Dr. Pritchard to produce a variety resistant to Fusarium Wilt. It is a good variety in disease free soil resembling closely the Improved Stone, perhaps a little later than Stone. It is very prolific. The fruit is smooth and bright red. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.75.

MARVELOSA. 108 days. A pink globe. Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., $2.00.

MARGLOBE. 114 days. A second-early, red-fruited variety equally suitable for trucking or canning. As early as Bonny Best, produces large, smooth, meaty, globular, red fruits which ripen uniformly and are relatively free from cracks. They make a splendid canned product and first class pulp. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

BREAK O'DAY

TOMATOES—Continued

JOHN BAER. 108 days. Extra early red. Not quite so early as Earliana, though there are only a few days' difference, John Baer yields a much heavier crop of larger, more uniform and more attractive fruits. Most profitable extra early sort. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.10.

HUDSON VALLEY MAID. 100 days. This new potato-leaved variety, in trial, showed up remarkably well during a dry, off season, the potato-leaved sorts seeming to possess a hardiness that few of the ordinary leaved sorts have. It is second in season, of good size, smooth and bright red. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

IMPROVED NEW STONE. 116 days. "King of the Reds." One of the best main crop varieties. For yield, size and appearance, we have seen no finer strain than ours. The smooth skin, small core, fine-grained flesh with little acidity, delight the eater and give satisfaction to the grower. Canners plant it for their main crop and market-gardeners find it their most profitable sort. Pkt., 10c; ½ oz., 25c; oz., 35c; ¼ lb., $1.00.

CHALK'S EARLY JEWEL. 104 days. The original large smooth extra early red, much planted by canners in the Northern States—many still prefer this to Bonny Best. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., $1.10.

GOLDEN QUEEN. 112 days. Golden yellow. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50.

GULF STATE MARKET. 112 days. This globe-shaped purplish pink tomato was developed from Early Detroit and is as early as that variety. It is said to be especially adapted to the Gulf states and California. The fruits are large, showing little depression around the stem, and free from cracks. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.50.

DWARF STONE — THE LARGEST DWARF TOMATO. 132 days. This is the largest Dwarf tomato; it resembles "Dwarf Champion," but is of stronger growth and more erect. In shape and size it is similar to "Improved New Stone." The fruit is red, and specimens weighing ¾ pound are not uncommon. Dwarf Stone is almost as early as "Dwarf Champion," and the fruit is the size of the last named sort. Fruit ripens evenly, is solid, free from cracks and of excellent quality. Amateurs find Dwarf Stone a splendid sort, because of its dwarf habit and robust growth. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., $1.40; lb., $5.00.

PEAR TOMATOES

SMALL FRUITED TOMATOES

Very Desirable for Pickles and Preserves. Mature in about 120 days.

RED CURRANT. Very small. Pkt., 10c; ½ oz., 40c; oz., 75c.

RED CHERRY. Small fruit, bright, scarlet. Pkt., 10c; ½ oz., 40c; oz., 75c.

Prices of the following: Pkt., 10c; ½ oz., 40c; oz., 75c.

TWO PEACH TOMATOES. Peach shape and color. Red or Yellow.

YELLOW PLUM AND RED PLUM. Fruit about 2 inches long. 1 inch through; the one is lemon-yellow, the other plum-red.

YELLOW AND RED PEAR. Distinct shape.

GROUND CHERRY, HUSK OR STRAWBERRY. The small yellow fruit is enclosed in a husk. It is very sweet; prized for eating, preserving and making pies.

FORCING TOMATOES

We provide choicest strains obtainable for greenhouse work.

BONNY BEST. The most popular American variety, for forcing. Forcing strain. Pkt., 25c.

STIRLING CASTLE. Small size, uniform and very productive. Pkt., 25c.

FILL BASKET. One of the best of the English Forcing varieties. Vine heavier than Sunrise. Fruit set in clusters of three to five. Color, scarlet; heavy yield. Pkt., 25c.

BEST OF ALL. Pkt., 25c.

GRAND RAPIDS. Pkt., 25c.

NEW GLOBE. Pkt., 25c.

★

Varieties designated by a star as illustrated above are recommended as of especially fine strains and suited to the home garden.

For the Herb Garden

INTEREST in herb gardening is reviving for two excellent reasons: The ornamental quality of herbs, and their value for contributing flavor to the menu and fragrance to the home.

To enlarge our herb list it was only necessary for Vaughan's Seed Store, which was established in 1876, to go back to old catalogues when wood cuts were used as illustrations. A few of the wood cuts are reprinted, as they show in excellent detail the habit of growth and leaves of the plants.

To keep herbs over winter, stalks should be cut on a dry day, when not quite in full bloom. They should be dried in the shade and when dry packed tightly in boxes with air excluded. Varieties marked (*) are perennials.

ANISE. Used for garnishing, seasoning and for cordials. Pkt., 10c; oz., 25c.

***BALM.** Used for making Balm wine and tea. Pkt., 10c; oz., 50c.

BASIL, Sweet. The leaves are used for flavoring soups and stews. Pkt., 10c; oz., 25c.

***MINT, Old Fashioned.** For mint sauce and julips. Pkt., 10c; oz., $2.50. Plants, 3 for 65c; doz., $2.50. By mail, add 5c each; doz., 20c.

PENNYROYAL. Leaves are used for seasoning puddings. Pkt., 10c; oz., 60c.

BORAGE—GURKENKRAUT—BOURRACHE

ROSEMARY

BORAGE. Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 10c; oz., 25c.

CARAWAY. Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 10c; oz., 25c.

CATNIP or Catmint. Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 10c; oz., 75c.

CHAMOMILE (Matricaria Chamomile). The dried flowers possess medicinal value. Pkt., 15c; oz., 50c.

CORIANDER. The seeds are used for flavoring. Pkt., 10c; oz., 20c.

DILL. Leaves are used in pickles and for flavoring soups and sauces. Pkt., 10c; oz., 15c; ¼ lb., 30c; lb., 90c.

***FENNEL.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 10c; oz., 20c.

***HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 10c; oz., 50c.

***LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are fragrant. Two kinds.

Lavender True (Lavendula vera). The best. Pkt., 10c; oz., 65c.
Plants, 3 for $1.00; doz., $3.50; 100, $15.00.

Lavendula spica. Not quite so strong. Pkt., 10c; oz., 30c; ¼ lb., 85c.

MARJORAM (Sweet). The leaves and ends of shoots are used for flavoring in summer and dried for winter use. Pkt., 10c; oz., 35c.

PEPPERMINT. The leaves and stems are used for flavoring. Pkt., 25c.

PIMPINELLA (Burnett). The young tender leaves are used as salad; they have a flavor resembling that of cucumbers. Pkt., 10c; oz., 30c.

ROSEMARY. The leaves are used for seasoning. Pkt., 10c; ½ oz., 75c.

***RUE.** For medical purposes; good for fowls for the croup. Pkt., 10c; oz., 45c.

SAFFRON. Used for coloring certain dishes, also flavoring. Pkt., 10c; oz., 45c.

***SAGE, Holt's Mammoth.** The plants attain a height of 1 ft. the first season. They are perfectly hardy and make a still larger growth the second season. Plants, 3 for 65c; 12 for $2.50; 100, $12.00. By mail, add 5c each; doz., 20c.

SAGE. Leaves and tops are used for seasoning and stuffing. Pkt., 10c; ½ oz., 35c; oz., 65c.

SUMMER SAVORY. The leaves and young shoots are used for flavoring. Pkt., 10c; oz., 25c.

***TARRAGON (Artemisea dracunculus).** For vinegar making. The leaves, dried or fresh are steeped in ordinary vinegar. The flavor thus added is much liked. Plants, 3 for 85c; doz., $2.50. By mail, add 5c each; doz., 20c.

THYME. Used for seasoning; a tea is also made for nervous headache. Pkt., 10c; ½ oz., 40c; oz., 75c.

WALDMEISTER (Asperula Odorata). Used in May Wine and for scenting clothes. Pkt., 10c.

***WORMWOOD.** Beneficial for poultry. Pkt. 10c; oz., 45c.

SWEET MARJORAM—MAJORAN—MARJOLAINE

SUMMER SAVORY—BOHNENKRAUT—SARRIETTE

Vaughan's Annual Flower Seeds

ABRONIA □

100 × 6 in. A trailing, succulent plant, with Verbena-like heads of fragrant flowers of bright rose with white center; it delights in a dry, poor soil and sunny situations on rockwork. It is slow to germinate and flowers in late summer and fall. Pkt., 10c.

ABUTILON

122 **Giant Flowered Mixed (Flowering Maple).** ÷ 3 to 4 ft. Blooming in 6 months from seed, it flowers at all seasons in the greenhouse, and during summer and fall outdoors. Its ornamental leaves are often variegated and it bears bell shaped flowers of salmon, buff and pink. Pkt., 25c.

ACROCLINIUM □

Its graceful, daisy-like flowers, when cut in the bud state, can be dried for winter bouquets. It blooms in 6 weeks from time of sowing. Height, 20 in.

150 **Double Pink.** 155 **Double White.**
160 **Single Mixed.** 165 **Double Mixed.**
Each of the above: Pkt., 10c; ¼ oz., 25c; oz., 75c.

166 **DOUBLE GIANT MIXTURE.** This large-flowering type is twice the size of the preceding one, with long, stiff stems; flowers are double and semi-double; white, chamois, flesh color and bright rose. Pkt., 25c; ¼ oz., 75c.

ADONIS □

170 **Aestivalis (Pheasant Eye).** 1 ft. Early blooming annual with deep crimson flowers and feathery foliage. Sow where plants are to remain. Pkt., 10c.

171 **Autumnalis. (Red Chamomile)** 2 ft. Of somewhat straggly growth with finely divided foliage, its flowers are rich scarlet freely produced in summer and autumn. Pkt., 10c. ½ oz., 25c.

AGROSTEMMA

230 **Coeli Rosa (Rose of Heaven).** □ 1 ft. Hardy annual of light, graceful habit; flowers pale rose, shaded white. Sow in the vegetable garden (as you would radishes) at intervals, and enjoy a continuous supply of cut flowers all summer. ¼ oz., 25c; pkt., 10c.

ALONSOA (Mask Flower) □

They are charming plants of bushy, much branched habit and bear their quaint bright blossoms in terminal racemes from July to Oct.

236 **Grandiflora.** 2 ft. Vermilion-red. Pkt., 10c.

237 **Miniata Compacta Coccinea.** 1 ft. Pkt., 15c.

239 **Mutisii.** 18 in. Chamois rose. Pkt., 10c.

240 **Warscewizci.** 15 in. Foliage dark green; flowers brilliant tomato-red. Pkt., 10c.

"Of all the flowers we had this Summer we enjoyed the Surprise Garden Mixture the most. I would like to give some packets of the seeds as Christmas Gifts. Are they ready now?"

Mrs. H.W.S.
October 30th, 1933 Chagrin Falls, Ohio.

230 AGROSTEMMA—Rose of Heaven. Pkt., 10c.

Surprise Garden Mixture

5848 If you want a thrill and a real adventure in gardening this year be sure and sow this mixture liberally. You will be repaid by the many unusual varieties which will appear during the season. We buy for this mixture annual varieties which are attractive and easily grown but many of them little known and the result is a continual succession of happy surprises to the gardener. In fact, we frequently are called to identify some particularly attractive sort so it may be ordered separately another year.

Plant freely but not too thickly (if too crowded together the plants will be weak and drawn and will soon fade away), in rows in the vegetable or picking garden, keep watered or cultivated and the faded flowers removed. **Oz., 25c; ¼ lb., 80c; 1 lb., $3.00.**

KEY TO SYMBOLS

□**Annuals.** These attain full growth from seed, flower and die first year.
✱**Biennials.** These grow from seed the first year, bloom and die the next, though some varieties bloom the first year.
①**Perennials.** Hardy Perennials.
÷**Greenhouse Plants.** Start inside and cultivate in pots or else transplant outside when danger of frost is over.
+**Stove Plants.** To be grown inside all the year round for pots only.
=**Climbing Plants.**
×**Rock Garden Plants.**

FOR A LIST OF

Annual Climbers, page 43.
Annual Everlastings, page 45.
Annual Ornamental Grasses, page 47.
Seeds for Greenhouse Culture, page 81.

We can supply leaflets on the following if asked for when ordering:

Annuals for Sowing in Crevices in Stone.
Annuals for Rock Gardens.
Annuals for shaded and semi-shaded places.
Sweet Scented Annuals.
Seeds that germinate slowly.

AGROSTIS

235 **Nebulosa (Cloud Grass).** □ 1½ ft. An airy and graceful annual grass; looks like a line of mist when in bloom. Beautiful with cut flowers. Pkt., 10c.

Ageratums Give Fine Summer Blues

These free flowering, quick growing annuals, which bloom throughout the summer, until late fall, are invaluable as a source of the blue-lavender tones which are demanded to balance the color-effect of every planting. Varying in height from 6 in. to 3 ft., you may use them to fill many different garden roles. The taller varieties are useful for cutting. Dwarf sorts are apt to vary in height.

180 **Mexicanum Coeruleum.** 18 in. Soft lavender-blue. Pkt. 10c; ¼ oz., 30c.

185 **—Album.** 18 in. White. Pkt., 10c.

187 **—Purple Perfection.** 18 in. Large flower of unusual dark purple, almost a red. Pkt., 15c. ¼ oz., 35c.

190 **—Mixed.** Pkt., 10c.

195 **—Blue Perfection.** 9 in. The darkest Ageratum grown from seed. Pkt., 10c; ¼ oz., 35c.

196 **—BLUE BALL.** 9 in. Deep, dark blue. The plant is dwarf and symmetrical. In full bloom it is covered with small flowers, giving the appearance of a blue ball. Pkt., 15c; ¼ oz., 50c.

202 **—Imperial Dwarf Blue.** 6 in. Of compact growth, covered with heads of feathery flowers of deep lavender. Pkt., 10c; ⅛ oz., 25c.

205 **—Imperial Dwarf White.** 6 in. Pkt., 10c.

208 **—Little Dorrit White.** 6 in. Pkt., 15c.

209 **—Little Dorrit Blue.** 6 in. Azure blue. Pkt. 15c; ⅛ oz., 25c.

217 **—Tom Thumb Little Blue Star.** 4 in. Flower opens light blue with purple center and develops to a bright blue self. Pkt., 15c; ⅛ oz., 50c.

220 **Lasseauxi.** 3 ft. Clusters of handsome rose-colored flowers. Pkt., 10c; ⅛ oz., 25c.

195 AGERATUM—Blue Perfection Pkt., 10c.

Alyssum, Queen of Edging Whites

Of all garden flowers, none is better known, or more cherished, for its beauty and fragrance, and the memories associated with it. It is truly queen of edging plants whether grown in a continuous ribbon, or alternated with blue lobelia, yellow signata marigold, or dwarf ageratum. Its white flowers never fail; it is amazingly vigorous and hardy, and exceptionally uniform in height and size.

250 **Benthami Maritimum (Sweet Alyssum).** □ 10 in. Flowers white and honey-scented, produced from early in the season, until freezing. Mix the seed with sand to prevent sowing too thickly. 1 lb., $2.25; ¼ lb., 60c; 2 ozs., 40c; 1 oz., 25c; ½ oz., 15c., pkt., 10c.

257 **Little Dorrit.** □ 4 in. It forms perfect little bushes, smothered with miniature white flowers. ¼ oz., 30c; pkt., 15c.

255 **VAUGHAN'S LITTLE GEM SNOW-WHITE CARPET PLANT.** □ 4 in. The plants are so completely covered with snow-white blossoms they create the impression of a beautiful white carpet. 1 oz., 75c; ½ oz., 40c; ¼ oz., 25c; ¼ lb., $2.40; 1 lb., $8.00; pkt., 10c.

260 **Lilac Carpet Plant.** □ 9 in. Distinct variety with delicate lavender flowers which deepens in color with the approach of cold weather. Today, Oct. 21 we have a vase of these on our desk of true deep lilac color from plants that a few weeks ago had only white tinged lavender flowers. ¼ oz., 25c; ½ oz., 40c; oz., 75c; pkt., 10c.

261 **Compactum Lutescens.** □ 8 in. Dwarf, cream or straw color. ¼ oz., 25c; pkt., 10c.

See also Perennial Pages.

AMMOBIUM

295 **Alatum Grandiflorum.** □ 2½ ft. This "Winged Everlasting" is one of several annuals which produce dry chaffy flowers, capable of being dried and preserved for winter decoration. It bears silvery-white, yellow-centered blooms in loose panicles. Pkt., 10c.

ANAGALLIS □ ×

305 **Grandiflora Mixed.** 6 in. Dwarf plants, blue and scarlet flowers, effective as edgings, also charming on rockwork and in pots. Pkt., 10c.

307 **Grandiflora Coerulea.** 8 in. One of the most conspicuous low growing blue flowers, but must have a sunny place to do well. The plants spread rapidly and bloom freely. The flowers are of a real turquoise-blue. ¼ oz., 50c; pkt., 15c.

305 ANAGALLIS Grandiflora Mixed. Pkt., 10c.

ANGELONIA □

313 **Grandiflora,** 1½ to 2 ft. Numerous sprays of fragrant pale mauve flowers, dark green foliage. Blooms first year if sown early. May be taken up in Fall for house decoration. Pkt., 25c.

AMARANTHUS □

Tall, vigorous ornamental foliage plants, with showy flower clusters, which attain their finest coloring in hot, sunny locations. Rich soil increases the size of leaves at the expense of their color. Give plenty of room.

265 **Atro-purpureus.** 4 ft. Dark purple flowers. Pkt., 10c.

267 **Caudatus (Love Lies Bleeding).** 3 ft. Drooping red spikes. Pkt., 10c; oz., 60c.

268 **Combustion.** 3 ft. Dark foliage red top. Pkt., 10c.

269 **Cruentus (Prince's Feather).** 3 ft. Dark red feathery flowers. Pkt., 10c.

270 **Molten Fire.** 3 ft. Brilliant Poinsettia-like tips. Pkt., 10c.

273 **Salicifolius (Fountain Plant).** 3 ft. Willow-leaved. Red and yellow foliage of drooping habit. Pkt., 10c.

275 **Tricolor (Joseph's Coat).** 2½ ft. The inner foliage is of blackest bronze, tipped with green, the outer bright scarlet and gold. Pkt., 10c.

285 **VAUGHAN'S SPECIAL MIXTURE.** A well balanced mixture of the above and others. ¼ oz., 25c; pkt., 10c.

ANCHUSA

310 **Capensis (Summer Forget-me-not).** □ 2 ft. Gentian-blue flowers, borne in drooping clusters from July to October. Similar to the Forget-me-not, blossoms, larger and of finer color. ⅛ oz., 25c; pkt., 10c.

311 **Blue Bird.** Flowers vivid indigo blue, plants compact, of even habit. 18 in. Pkt., 15c.

See also Perennial Pages.

ANGEL'S BREATH—See Gypsophila Elegans.

ANTIGONON

315 **Leptopus (Mexican Mountain Rose)** = Summer-blooming greenhouse climber. In the South blooms freely in the open. Flowers rose-pink. Pkt., 10c.

ANTIRRHINUM—See pages 35, 81.

450 ARCTOTIS Blue-Eyed African Daisy. Pkt., 10c.

Blue Eyed African Daisy

ARCTOTIS □

449 **Breviscapa Aurantiaca.** The daisy-like flowers have petals of a most pleasing dark orange color which turns lighter toward the center, thus producing a wonderful contrast to the purplish disc. The under sides are of a brownish tint. Pkt., 25c.

450 **Grandis (Blue-eyed African Daisy).** 3 ft. It forms bushes bearing 2 inch daisy flowers of pearly white with a gold band surrounding a delicate mauve center. It closes at evening and displays its lilac tinted undersides. Foliage gray green. Especially good cut flower. ⅛ oz., 30c., pkt., 10c.

ARGEMONE

460 **Hybrida Grandiflora Mixed. (The Prickly Poppy).** □ 2 ft. They have branching prickly stems with glaucous leaves with spiny margins. White poppylike flowers of silken texture with golden anthers. Pkt., 10c.

ARTEMISIA—Summer Fir □

470 Ornamental foliage plant forming rich dark green pyramidal bushes 3 to 5 ft. high. Pkt., 15c.

ASTERS—See pages 36-37.

ASPARAGUS FERN—See page 81.

ASPERULA—Blue Woodruff □

490 **Azurea Setosa.** A dainty little annual growing up to a foot high and producing terminal clusters of gray blue flowers from June until August or later, according to the time seeds are started into growth. The best results follow early sowing. The plant thrives in almost any situation as to soil or exposure. Pkt., 10c.

For Asperula Odorata, see Perennial Pages.

490 ASPERULA—Blue Woodruff Pkt. 10c.

Gorgeous Modern Snapdragons

ANTIRRHINUM □

Snapdragons have been amazingly improved in size and color. They are hardy and should be sown early, as they germinate slowly. Unless very rich soil is provided and all plants are staked, the dwarf and semi-tall class will be most satisfactory in the garden. They are effective in beds of solid color, and require full sun. Keep seed pods picked off. If intended for winter flowering, cut back in September.

Tall Large Flowering, 24 to 36 Inches

325 **Appleblossom.** Delicate pink.
328 **Brilliant Scarlet.**
331 **Butterfly.** Striped.
334 **Coral Red.**
339 **Delila.** Carmine and yellow.
340 **Evening Sky.** Soft salmon-rose, yellow mouth, white throat.
341 **Fire King.** Orange scarlet, white tube.
342 **Garnet.** Rich color.
343 **Goliath.** Salmon rose with orange center shading to pale apricot.
345 **Golden King.** Deep yellow, early.
391 **Golden Monarch.** Massive yellow spike.
346 **Harmony.** Rich terra cotta orange, shaded rose.
351 **Queen Victoria.** Snow-white.
354 **Rose King.** Deep rose self
355 **The Cardinal.** Scarlet.
Each of the above pkt., 10c; ⅛ oz., 30c.
360 **Majus Grandiflorum Mixed.** ⅛ oz. 25c; pkt., 10c.

Maximum, Giant Flowered, 32 Inches

These are a wonderful advance in size. Each bloom measuring 2 to 2½ inches across.

410A **Appleblossom.** Rosy pink.
410B **Bunch of Lilacs.** Deep lilac.
410C **Canary Bird.** Canary yellow.
411 **Copper King.** (Indian Summer). Velvety copper-scarlet.
412 **Defiance.** Brilliant scarlet.
414 **Fire Flame.** Dark purple and yellow with white throat.
415 **Gotelind.** Light copper, old rose throat
416 **Golden Queen.** Golden yellow, lilac-rose throat.
418 **Old Gold.** Golden yellow, old rose throat.
419 **Purple King.** Velvety dark garnet.
420 **Ruby.** Velvety ruby-red.
421 **The Rose.** Rose pink.
423 **Snowflake.** Snow-white, yellow tube.
423A **Wallflower Colors.** Brown with violet throat.
Each of the above, pkt., 15c; ⅛ oz. 50c.
424 **GIANT FLOWERED MIXED.** The above and others. ⅛ oz., 35c; pkt., 15c.

425 ANTIRRHINUM Vaughan's Special Mixture Pkt., 15c.

425 **VAUGHAN'S SPECIAL MIXTURE OF SNAPDRAGONS.** Includes the best of the maximum, majus grandiflorum and majus nanum varieties and a packet will furnish you with a never-ending color combination of long-stemmed cut flowers. 1 oz., $1.50; ¼ oz., 40c; ⅛ oz., 25c; pkt., 15c.

Large Flowering Dwarf, 16 Inches

356 **Daffodil.** Pale lemon yellow with a broad band of deeper shade across the center. Early
357 **Madonna Improved.** Early blooming, white.
358 **Rose Eclipse.** Deep lustrous rose.
Each of the above. Pkt. 10c.

Tom Thumb Varieties, × 8 Inches

Suited for edging beds, and pot plants.

430 **Pink.**
431 **Orange.**
435 **Snow Queen.**
438 **Fireball.** Dark red, deep violet throat
Each of the above, pkt., 10c.
445 **Tom Thumb Mixed.** ⅛ oz. (mixed only), 25c; pkt., 10c.
436 **Sutton's Little Gem.** Miniature hybrids 4-6 in. tall suitable for rock gardens or edging, in many lovely shades. Pkt., 25c.

Semi-Tall Sorts, 18 to 20 Inches

These are recommended for most beds and borders as they require no staking. The flowers have many new shades and tints.

363 **Amber Queen.** Amber overlaid chamois pink, gold lip.
364 **Aurora.** Cinnabar carmine.
368 **Black Prince.** Nearly black, small dark leaves.
371 **Bonfire.** Orange or flame color
377 **Canary Bird.** Light lemon-yellow.
382 **Crimson King.** Rich crimson.
381 **Daphne.** Deep rose pink.
378 **Defiance.** Cinnabar scarlet.
379 **Empress.** Rich crimson.
383 **Fascination.** Pale pink.
385 **Firebrand.** Fiery scarlet.
386 **Gloria.** Rose and white.
390 **Golden Queen.** Rich yellow.
393 **Grenadier.** Vivid orange, white throat, yellow lip.
396 **Mauve Beauty.** Rosy mauve.
397A **Mont Blanc.** White
398 **Nelrose.** Old rose, shaded blush.
399 **Peerless Pink.** Cameo pink, white lip.
404 **Prima Donna.** Terra-cotta pink.
403 **Queen of the North.** Large white.
405 **Rose Dore.** A self-salmon-rose, shaded gold.
407 **Silver Pink.** Pearl pink self.
410 **The Fawn.** Terra-cotta pink, suffused yellow.
Each of above, pkt., 10c; ⅛ oz., 40c.
409 **Majus Nanum Mixed.** ⅛ oz. 25c; pkt., 10c.

For others see Novelty Pages and Greenhouse plant seed pages.

ASPARAGUS—See page 81.

BIRD OF PARADISE—See Poinciana page 81.

1070 BARTONIA Aurea. Pkt., 10c.

BALLOON VINE

995 **Love in a Puff** □ = A clean, free-growing vine reaching 10 to 15 feet, bearing delicate clusters of bloom and numbers of large, round, inflated seed-pods resembling miniature balloons. The effect is odd and curious. Oz., 35c; pkt., 10c.

BARTONIA

1070 **Aurea** □ 12 in. The little known Bartonia makes patches of polished gold in sunny situations, even if the soil is poor. The foliage is gray and thistle-like, and is exceedingly brilliant in the sunshine. It will not stand transplanting, so should be sown where intended to bloom. Pkt., 10c; ¼ oz., 20c.

BELLIS PERENNIS FL. PL. ✱

English Daisy, 6 to 8 Inches

These jolly little flowers are popular because of their bright color, their profuse and long blooming period, and their dwarf compact growth. The leaves form a rosette at the base of the plant, while the double flowers are borne above on stiff, yet graceful stems.

1110 **Snowball.** Pkt., 10c.
1113 **Longfellow.** Dark pink. Pkt., 10c.
1116 **Double Choice Mixture.** Pkt., 10c.
1119 **Monstrosa Alba.** Larger white. Pkt., 15c.
1123 **Monstrosa Rosea.** Larger pink. Pkt., 15c.
1124 **Monstrosa Aetna.** Rich red, quilled flowers. Pkt., 15c.
1130 **Monstrosa Double Red.** Pkt., 20c.
1131 **Monstrosa Mixed.** Pkt., 15c; ⅛ oz., 35c.
1135 **Rosy White, Double Quilled.** Pkt., 20c.

1131 BELLIS Perennis Monstrosa Double Mixed. Pkt., 15c.

All the Newer Annual Asters

887 ASTER SUNSHINE. Pink. Pkt., 15c.

IN the late summer and early fall the Chinese Asters, with their giant double flowers, of many distinct types, and wide range of coloring, are outstanding flowers in the garden and in flower shows. They are also important summer cut flowers, with long stems, and good keeping quality. However, good culture is essential in order to obtain an abundance of fine flowers. Care should be taken to plant Asters in new ground each year and the best results are obtainable if the ground is carefully prepared. They should have heavy, loamy soil and a sunny open situation with a liberal amount of lime and plant food. The plants should be cultivated frequently and tobacco dust sprinkled around the stems. We offer a leaflet on the culture of Asters which is supplied free if asked for at the time of ordering.

Giant California Sunshine Mixed

559 They are the result of a direct cross between the now well-known California Giants and the smaller Sunshine type, hence the name. Plants of this new race grow 3 feet high and bear blossoms on long, stiff stems, admirable for cutting. The individual blooms are 4 to 6 inches in diameter.

With the disk a lovely light-yellow and the encircling guard petals varying shades of Enchantress pink, apple blossom, deep-rose, blue and lavender, there are produced color contrasts startlingly beautiful. Not completely fixed to type about 50% will be true. The rogues and off types bloom first and the true giant Sunshine later. Pkt., 25c.

The Sunshine

THE plants are bushy and strong, with many flower stalks. Some of the flowers have twisted and some quilled petals; all have a cushion center of tiny quills of a contrasting color which makes a flower look as if it were covered with snowflakes. The blue flowers are dotted with a paler blue and some in white, and the rose in a lighter shade of pink or white. 2 ft.

885 **White.** 883 **Flesh.** 887 **Pink.** 884 **Dark Rose.**
889 **Light Blue.** 888 **Lilac.** 886 **Dark Blue.**

Each of the above, pkt., 15c; ⅛ oz., 40c.

890 **Mixed, all colors.** ⅛ oz., 35c; pkt., 15c.

Wilt Resistant Strains of Asters

Aster growers have been troubled with pests of recent years. This family has been widely attacked by the Fusarium Wilt, which condition has been overcome in growing the Wilt Resistant Strains which, although grown in infected soil, proved immune from the disease. Aster Yellows is also an enemy. This has been found to be transferred to the plants by tiny insects called leaf hoppers. The only means to overcome this is to grow the plants under a cheesecloth cover.

891 **Ball's White.**

CREGO
892 **White.**
893 **Pink.**
894 **Deep Rose.**
895 **Crimson.**
896 **Violet.**
897 **Purple.**

EARLY BEAUTY
898 **White.**
899 **Crimson.**
900 **Lavender.**

916 **Astermum White.**

GIANT BRANCHING
901 **White.**
902 **Shell Pink**
903 **Deep Rose.**
904 **Crimson.**
905 **Azure Blue.**
906 **Purple.**

OSTRICH FEATHER
917 **White.**
918 **Deep Rose.**
919 **Royal Purple.**

907 **HEART OF FRANCE.**

ROYAL
911 **Rose Pink.**
912 **Azure Blue.**
913 **Purple.**

QUEEN OF MARKET
921 **Crimson.**
922 **Dark Blue.**
923 **Purple.**

Each of the above. Pkt., 25c. Any 3 pkts. for 65c.

915 **ASTER Wilt-Resistant Strain Mixed.** A mixture of all these varieties we offer. Pkt., 35c.

Dwarf Section

They are charming little plants—bushy in habit completely covered with miniature flowers in dainty colors. Excellent for rock gardens and low borders, flowers appear early and last for a long time.

The dwarf varieties are European grown and they seem to be less liable to disease and wilt than the taller American grown sorts.

500 **Vaughan's Snowball.** 12 in. The best dwarf white.

501 **Vaughan's Pink Ball.** 12 inches. Lovely shade of pink.

505 **Vaughan's Fireball.** 12 inches. Brightest scarlet.
Each of the above, pkt., 15c.

522 **Triumph Mixed.** 10 in. Peony flowered dwarf, in many attractive shades. Pkt., 10c.

515 **Dwarf Bouquet Mixed.** 10 in. These were the outstanding of dwarf sorts in our trials. The plants appeared as little bouquets, each having a dozen or more lovely flowers an inch or more in diameter in delightful shades of shell pink, sky blue, blood red and white. Plant these in rows in the vegetable garden and cut off the complete plant for a bouquet, they last a week or more in the house. Pkt., 15c.

520 **Dwarf Chrysanthemum Flowered. All colors mixed.** 12 in. Compact growth; 3½-in. flowers; free flowering and later than other varieties, therefore valuable for succession. Pkt., 10c.

521 **Dwarf Queen Mixed.** 14 in. Early flowering type, fine for pots, beds and borders. Pkt., 10c.

950 **Asters, Dwarf Mixture.** Includes many varieties and where a large mixed bed is desired will answer the purpose nicely. ⅛ oz., 25c; pkt., 10c.

Semi-Tall Section

Queen of the Market

The Favorite early aster, usually in full bloom two weeks before most others begin to blossom. Of graceful spreading habit. 16 inches.

615 **White.** 630 **Light Blue.**
620 **Pink.** 640 **Purple.**
623 **Crimson.** 643 **Dark Blue.**
625 **Scarlet.**

Each of the above, pkt., 10c.

645 **Mixed, all colors.** ⅛ oz., 25c; pkt., 10c.

The scarlet is a charming shade, a light ruby color.

Imbricated Pompon

A variety that is very popular among the Chicago growers. Flowers of medium size produced in great abundance, often as many as 20 flowers to a plant. 20 inches.

587 **White.** 590 **Light Blue.**
588 **Rose.** 591 **Violet.**
589 **Fiery Scarlet.** 592 **Mixed.**

Each of the above. Pkt., 25c. Any 3 pkts. for 65c.

Outstanding Varieties

604 **Everlasting Rose.** This curious variety appeared lately in the fields of an Aster specialist. It resembles a large Helichrysum; when cut and dried it retains its color and shape as an everlasting flower. 2 ft. Pkt., 10c.

910 **Lavender Gem.** Of a true lavender shade the petals are curled and twisted, and the blooms borne on long, firm stems. 18 inches. Pkt., 10c.

920 **Peerless Pink.** Flowers globular in shape, many five inches across, of a rich shell-pink. 24 in. Pkt., 10c.

703 ASTER Crego, Lavender. Pkt., 10c.

Lilliput

A small flowered, intensely double variety. The plants are of ideal habit. Height about 18 in. The flowers are of neat and symmetrical form about two weeks later than Imbricated Pompon.

824 **White.** 825 **Rose.**
826 **Dark Blue.** 827 **Mixed.**

Each of above. Pkt., 25c. Any 3 pkts., for 65c.

Vaughan's Excelsior Mixture of Dwarf Asters

725 It is comprised of the most distinct and desirable colors of the different classes of dwarf asters, and many others not listed, especially selected for this mixture. ⅛ oz., 50c; large pkt., 25c; pkt., 15c.

See Novelty pages for later introductions.

"The seed I ordered from you last spring were highly satisfactory. I got gratifying results from all, and the trial package of single asters you sent were perfectly marvelous. Everybody admired them. Am going to plant those next summer in place of California Sunshine."

Mrs. D.H.S., Pauline, S.C.

820 ASTER Giant Ostrich Feather Mixed Pkt., 10c

780 ASTER Giant Branching Mixed. Pkt., 10c.

Giant Branching

Excellent for cut flowers. The branching habit is accompanied by vigor of growth and profusion of bloom. The flowers are large, very double, stems long and colors vivid. 2 to 3 ft.

735 **White.** 750 **Crimson.**
740 **Peachblossom.** 760 **Lavender.**
745 **Flesh Pink.** 770 **Purple.**
747 **Rose Pink.**

Each of the above, pkt., 10c; ⅛ oz., 35c.

780 **Mixed, all colors.** ⅛ oz., 30c; pkt., 10c.

Beauty

Attains a height of 2 to 3 feet of branching habit. Flowers large, borne on long stout stems. Bloom at same time with Crego and Giant Branching.

681 **White.** 683 **Rose.**
681A **Peachblossom.** 683B **Azure Fairy.**
681B **Sept. Beauty.** 684 **Lavender.**
682 **Carmine-rose.** 685 **Purple.**
682A **Crimson.**

Each of the above, pkt., 15c; ⅛ oz., 40c.

686 **Mixed, all colors.** ⅛ oz., 35c; pkt., 15c.

California Giants

They combine the robust habit of growth and length of stem that characterizes the Beauty type with the Ostrich Feather flower. A true non-lateral type. 36 in.

686A **White.** 689 **Light Blue.**
687 **Peachblossom.** 688 **Dark Purple.**
689A **Dark Rose.**

Each of the above, pkt., 15c; ⅛ oz., 50c.

689B **Mixed all colors.** ⅛ oz., 40c; pkt., 15c.

Giant Crego

The flowers are immense on stems of twelve inches or more. The petals are curled and twisted, resembling Chrysanthemums. The plants are branching and attain a height of two and one-half feet. Flowers in abundance from late August until freezing. 24 inches.

690 **White.** 702 **Cattleya.** Orchid shade.
693 **Shell Pink.**
696 **Rose Pink.** 703 **Lavender.**
699 **Crimson.** 709 **Purple.**
700 **Azure Blue.** 710 **Dark Blue.**

Each of the above, pkt., 10c; ⅛ oz., 35c.

715 **Mixed, all colors.** ⅛ oz., 30c; pkt., 10c.

Giant Ostrich Feather

Finest of the comet or ostrich feather type. The flowers are larger and more abundant, petals more twisted, stems longer. Excellent cut flowers. 30 inches.

785 **White.** 803 **Crimson.**
786 **Malmaison Pink.** 804 **Sky-Blue.**
791 **Terra Cotta.** 806 **Silvery Lilac.**
792 **Vermilion Carmine.** 809 **Light Blue.**
800 **Rose.** 812 **Dark Blue.**

Each of the above, pkt., 10c; ⅛ oz., 35c.

820 **Mixed, all colors.** ⅛ oz., 30c; pkt., 10c.

945 **Asters, Tall Mixture.** Some newer kinds, such as our Excelsior mixture contains, are lacking, but only quality varieties are included in this popular mixture. 1 oz., 60c; ½ oz., 35c; ¼ oz., 20c; pkt., 10c.

Asters

King

Distinct from any other variety having petals somewhat resembling the quilled varieties, but larger and broader, those in the center being curled and incurved, completely covering the crown. Flowers round, full and very large. 18 to 24 inches.

840 **White.** 852 **Violet.**
846 **Rose.** 856 **Lavender.**
849 **Crimson.** 857 **Dark Blue.**

Each of the above, pkt., 10c; ⅛ oz., 30c.

860 **Mixed, all colors.** ⅛ oz., 25c; pkt., 10c.

Royal (Early Flowering)

Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. Second early in season. 28 inches.

865 **White.** 875 **Lavender.**
868 **Shell Pink.** 879 **Purple.**
871 **Rose Pink.**

Each of the above, pkt., 10c; ⅛ oz., 35c.

882 **Mixed, all colors.** ⅛ oz., 30c; pkt., 10c.

Vaughan's Excelsior Mixture of Tall Asters

990 This is a mixture of the most beautiful, striking and distinct colors of all the tall-growing asters, including the varieties listed and others especially purchased for this mixture. ⅛ oz., 50c; large pkt., 25c; pkt., 15c.

Aster Heart of France

602 **Heart of France** opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. In any light, natural or artificial, Heart of France will command admiration. 18 to 24 inches. ⅛ oz., 35c; pkt., 15c.

Single Marguerite Aster

Plants strong, vigorous, free blooming, of pyramidal habit. The flowers are from 2 to 3 inches in diameter, on long stems. The small yellow centers give them a very lively appearance. They were much admired in our trial ground last year.

955 **White.** 970 **Light Blue.**
965 **Pink.** 975 **Mauve.**
964 **Bright Rose.** 976 **Violet.**
966 **Crimson.** 960 **Dark Blue.**

Each of the above, pkt., 10c; ⅛ oz., 30c.

980 **Marechal Joffre.** Large flowered red. Pkt., 15c.

985 **Mixed, all colors.** ⅛ oz., 25c; pkt., 10c.

983 **White Swan Large-Flowered Single.** The flowers, which resemble a large and refined form of Shasta Daisy, measure 4 to 4½ inches across, having a center with ray petals of a much more solid character than other Single Asters. The plant is a strong grower, throwing up long flower stems and attains a height of about 2 feet. Pkt., 25c.

1051 BALSAM Bush. Pkt., 25c.

Balsam (Lady Slipper) □

An old and favorite garden flower, producing the double flowers clustered in the axils of the leaves on short stems. The plants are sturdy and bushy and like hot sun, rich soil and plenty of water. For perfect development they should be set 12 to 18 inches apart. The bush balsam (1051) is a new type. 1½ to 2 ft.

BUSH FLOWERING MIXED

1051 Free-flowering double balsam of bushy growth, flowers appear in clusters on the top of stems instead of hidden on side of stems. It is a fine bedding plant. In shades of white, rose and red. Pkt., 25c; ⅛ oz., 40c.

1010 **Alba Perfecta.** Pure white.
1014 **Crimson.** 1018 **Dark Blue.**
1020 **Flesh Pink.** 1022 **Lemon Queen.**
1023 **Nilsson Rose.** Deep dark rose.
1025 **Lilac.**
1027 **Prince Bismarck.** Salmon-pink.
1031 **The King.** Brilliant scarlet.
1033 **The Queen.** Malmaison pink.

Each of the above, pkt., 10c.

1040 **Double Rose and Camellia-flowered Mixed.** Pkt., 10c; ⅛ oz., 25c.

1050 **Dwarf Balsams Mixed.** 8 in. Perfect little bushes with double and semi-double flowers. Pkt., 10c; ¼ oz., 25c.

1055 **Goliath White.** 4 ft. Remarkable for their immense height and extreme doubleness. Excellent for large and striking flower groups. Pkt., 10c.

1057 **Goliath Scarlet.** 4 ft. Extremely brilliant, large and very double. Pkt., 10c.

1059 **Goliath Chamois Rose.** 4 ft. A most pleasing color. Pkt., 10c.

1045 **VAUGHAN'S INVINCIBLE BALSAMS MIXED,** Includes everything that is desirable in Balsams. Pkt., 10c; ⅛ oz., 25c; oz., $1.50.

686 ASTER Beauty Mixed. Pkt., 15c.

1086 BEGONIA Salmon Queen. Pkt., 35c.

Begonias □

Ever-Blooming Bedding Varieties

A continuous flowering class of greatest value for bedding; the flowers, although small, are of brilliant colors and borne in great profusion from summer to autumn. Seedlings of spring bloom in summer while seedlings of summer make decorative winter house plants.

1071 **Christmas Cheer Red.** The blossoms attain a diameter of two inches. Dark crimson-scarlet. Pkt., 50c.

1072 **Christmas Pink.** Identical with above variety except the color is warm rose-pink. Pkt., 50c.

1074 **Radio.** A very large-flowered, shining pure carmine-scarlet. Pkt., 25c.

1077 **Gracilis Carmen.** Bright rose flowers carried in clusters well above the deep bronze foliage. Extremely free flowering. Growth habit like Luminosa but the contrast of flowers and foliage make it an outstanding pot plant for specimen or group work. Pkt., 50c.

1078 **—Luminosa.** Large, bright scarlet flowers. Pkt., 25c.

1075 **—Mignon.** Bright salmon-scarlet. Pkt., 15c.

1081 **—Prima Donna.** 1 ft. Brilliant, clear pink, shading to carmine-rose. Pkt., 25c.

1076 **—White Pearl.** White, foliage green. Pkt., 25c.

1084 **Semperflorens Atro-purpurea Vernon.** Orange-carmine flowers, deep red foliage. Pkt., 10c.

1082 **—Flame of Love.** 1 ft. Brilliant scarlet flowers with shining golden yellow stamens. Foliage bright green, tinted brown. Pkt., 35c.

1073 **—Gustav Knaake.** Flowers glowing pink, salmon blend; leaves green with bronze shade. Pkt., 50c.

1086 **—Salmon Queen** Large salmon flowers with dark leaves. Pkt., 35c.

1087 **—Striegau.** 10 inch. A compact and dwarf grower. The individual blooms are very large, fully 2½ in. in diameter. The color is a rich and fiery carmine. Pkt., 50c.

1088 **—Winter Romance.** The foliage is juicy light green, the flowers are carmine pink. Pkt., 50c.

1094 **—Wuerttembergia.** Blood-red. Pkt., 25c.

1090 **Semperflorens Mixed.** Pkt., 10c.

Begonia Seed is Very Fine. Open packets very carefully over a sheet of white paper.

Tuberous Begonias

For brilliancy of color, duration and profusion of bloom, few plants can compare with the tuberous-rooted Begonias for greenhouses and for summer bedding. Seedlings raised in heat early, flower the same summer.

1099 **Single Mixed.** Saved from finest exhibition varieties having large, well-formed flowers of many tones of red, orange, pink, salmon, etc. Pkt., 35c.

1100 **Narcissus Flowered.** Resemble large Trumpet Narcissi. Various tones of scarlet and carmine, light and dark yellow, orange, buff, rosy white, and many new tones of rose from light to dark. Pkt., 50c.

1101 **Lloydii.** This variety is excellent for hanging baskets or window boxes, owing to its drooping habit. The flowers are pendulous, double in form, and in various tones of rose and carmine. Pkt., 50c.

1103 **Double Mixed.** Producing on strong, erect stems an abundance of very double flowers, ranging from brilliant rose to carmine, often with white margin or mottling. Pkt., 50c.

1105 **Frilled Mixed.** Best frilled flowers. Pkt., 35c.

BABY BREATH—See Gypsophila Paniculata

1146 BRACHYCOME Mixed (Swan River Daisy). Pkt., 10c.

BRACHYCOME (Swan River Daisy) □

A free-flowering, dwarf-growing annual, 12 inches tall, covered during the greater part of the summer with a profusion of dainty flowers which resemble small cinerarias, suitable for edgings, small beds or pot culture.

1140 **White.** 1143 **Blue.**
1141 **Pink.** 1146 **Mixed.**

Each of the above, ⅛ oz., 25c; pkt., 10c.

BRIZA

1150 **Maxima (Quaking Grass)** □ 12 in. Valuable for winter bouquets and wreaths. The seed clusters are heart-shaped and seem almost constantly in motion. Pkt., 10c.

BRYONOPSIS

1165 **Laciniosa** □ = 10 ft. An ornamental climber of the gourd family, bearing green fruit which changes in color to bright scarlet-striped white. Pkt., 10c.

BUSH BASILICUM □

1166 Globe shaped, bushy, with vivid green, fragrant foliage, used as edging plant and in window or porch boxes. May be potted up for the house during the Winter. Endures city smoke. 6 to 10 in. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; 1 oz., 75c.

BLACK-EYED SUSAN—See Rudbeckia Hirta (Perennial seeds) and Thunbergia (annual seeds).

BALSAM—Apple and Pear Mixed

1008 □ = 10 ft. Quick growing climber, ornamental foliage, interesting and valuable fruits which are esteemed for medicinal purposes. The fruits burst and throw the seeds a considerable distance, a source of amusement for the children. The fruits are attractive and after bursting to discharge their seed, peel back to show their red interior. Plant a few for their interesting habit. Pkt., 10c.

1170 CACALIA Tassel Flower. Pkt., 10c.

1155 BROWALLIA Speciosa Major. Pkt., 25c.

BROWALLIA □

Profusely blooming bedding plants, covered during summer and autumn with flowers of a rare shade of intense blue, grows freely in any rich soil; blooms well in the winter if lifted and cut back. 12 inches.

1155 **Speciosa Major.** Brilliant ultramarine blue; a rare color; for border or hanging baskets. Pkt., 25c.

1154 **Speciosa Major Alba.** White. Pkt. 15c.

1156 **Elata White.** Pkt., 10c.

1157 **Elata Blue.** Pkt., 10c.

1160 **Elata Mixed.** Blue and White. Pkt., 10c.

See also novelties.

BURNING BUSH—See Kochia.

CACALIA (Tassel Flower) □ 2 ft.

Each flower is a miniature paint brush produced on long wiry stems which make it an excellent cut flower

1172 **Aurea.** Pkt., 10c. 1171 **Scarlet.** Pkt., 10c.

1170 **Mixed.** Scarlet and yellow. ⅛ oz., 25c; pkt., 10c.

CALANDRINIA □

1175 **Grandiflora.** 16 in. Handsome, hardy annual; fleshy leaves and bright rose-colored flowers; especially suitable for sunny situations. Pkt., 10c.

1177 **Umbellata.** 6 in. Hardy perennial of trailing habit, producing brilliant, crimson flowers. Excellent for rockwork and sunny situations. Blooms the first season. Pkt., 10c.

CALCEOLARIA—See page 81.

CALIFORNIA POPPY—See Escholtzia.

CASTOR OIL PLANT—See Ricinus.

CAMPANULA □

1248 **Attica.** 4 in Dwarf annual flowers profusely and for a long period, color violet. Pkt., 15c.

1249 **Lorei.** 6 in. A very desirable annual species. The plants form pretty tufts of foliage, above which appear lively pale blue flowers, shaded violet Pkt., 15c.

CANTERBURY BELLS—See Campanula Medium on page 67.

CACTUS ÷

In view of the great interest in Cacti, we offer seeds of popular types in mixture, and a few better known varieties separately; also a collection of ten varieties in separate packets. Growing Cacti from seed is an easy and interesting pastime, each miniature plant being as perfect as the parent, and most of the varieties here offered developing comparatively fast. The seeds germinate irregularly, over a period of from 14 to 40 days. All the bags have cultural directions. We also offer a booklet **"Cacti in the Home"** containing much valuable information on Cacti. Price, 35c.

1252 **Cereus** (Column cacti) mixed.

1253 **Echinocactus** (Hedgehog-cacti) mixed.

1254 **Echinocereus** (Cluster-cacti) mixed.

1255 **Echinopsis** (Tube-flowering hedgehog-cacti).

1256 **Mamillaria** (Wart cacti) mixed.

1257 **Opuntia** (Fig-cacti) mixed.

1251 **Cacti.** All kinds and forms mixed.

Any of above, per pkt., (50 seeds) 25c; any 5 for $1.00.

1251A **Collection.** 10 sorts, each in illustrated bag with cultural directions. Each, $1.00.

1258 **Cephalocereus Senilis** (Old Man Cactus). Pkt., (20 seeds) 25c.

1258A **Cereus Grandiflorus** (Queen of the Night). Pkt., (10 seeds) 35c.

1259 **Lithops Lesliei** (Flowering Stones). Pkt., (15 seeds) 35c

1191 CALENDULA Ball Orange. Pkt., 15c.

Calendulas

POT MARIGOLDS □

An old-fashioned annual glorified by plant breeding, which increased its size, purified its colors and improved its form. The finest new varieties retain the vigor and free blooming qualities of the race, flowering from early summer until freezing, with continually improving size and quality.

1190 **Orange King.** 18 in. Outer petals are slightly imbricated, while the centers are incurved. A glowing orange. ¼ oz. 25c; pkt., 10c.

1191 **Ball Orange.** It has fine stems and immense double flowers of a brilliant glistening orange. ⅛ oz., 40c; pkt., 15c.

1192 **Ball Masterpiece.** Extra long-stemmed deep orange with brown center. Pkt., 25c.

1193 **Sulphur Queen.** 20 in. Large sulphur-yellow. ¼ oz., 25c; pkt., 10c.

1195 **Ball White.** Creamy white color with dark center. Pkt., 25c.

1196 **Meteor.** 20 in. Apricot-orange, striped primrose. ¼ oz., 25c; pkt., 10c.

1198 **Apricot.** A charming and delightful shade, soft yellow with a suggestion of salmon-pink. ⅛ oz. 25c; pkt., 10c.

1199 **Radio.** The flowers are medium size, and clear orange. The petals are beautifully quilled giving an extraordinary beauty. Pkt., 10c.

1205 **Mixed, all colors.** For woodlands and perennial borders. Oz., 55c; ¼ oz., 20c; pkt., 10c.

1206 **VAUGHAN'S SPECIAL MIXTURE.** We have added in recent years several attractive novelties of this family to our list and to enable our friends to become familiar with these at a lower price than the separate varieties are offered we have made this mixture, according to a formula. ¼ oz., 35c; pkt., 15c.

1190 CALENDULA ORANGE KING. Pkt., 10c.

Gay Calliopsis Clan

(Coreopsis.) □

The annual coreopsis, its flowers are similar in form, but many are marked with bands or centers of contrasting tones. Colors include variations of yellow and orange including brown, maroon and almost crimson. They are thrifty, vigorous, bloom throughout the summer and often self-seed.

1209 **Bicolor Splendens.** Large golden yellow flowers with brown centers. Pkt., 10c.; ¼ oz., 25c.

1210 **Crown of Gold.** 20 in. Pure golden yellow. 2 inches across, on long, wiry stems; hardy and blooms nearly all season. Pkt., 10c; ¼ oz., 25c.

1211 **Tom Thumb, Crimson King.** Height 6 to 7 in., forms a perfect little bush, with rich, dark crimson flowers. Pkt., 10c; ¼ oz., 25c.

1213 **Golden Ray.** 6 to 8 in. Golden yellow with dark, purplish brown center. Pkt., 10c; ¼ oz., 25c.

1216 **Drummondi, Golden Wave.** 2 ft. Yellow with a circle of rich crimson-brown around the eye. ¼ oz., 25c; pkt., 10c.

1217 **Nigra Speciosa.** 3 ft. Rich reddish maroon. Pkt., 10c; ¼ oz., 25c.

1221 **Radiata Tigrinia (Tiger Flower).** 6 to 8 in. Flowers large reddish brown, turning golden yellow. Pkt., 10c; ¼ oz., 25c.

1224 **Tom Thumb Dazzler.** Large, rich maroon-red flowers with broad golden-yellow border. Pkt., 10c; ¼ oz., 30c.

1235 **Dwarf Varieties, Mixed.** Valuable for small mixed beds and borders. Pkt., 10c; ¼ oz., 25c.

1240 **Double Mixed,** all colors. Pkt., 10c; ¼ oz., 25c.

1245 CALLIOPSIS Vaughan's Special Mixture. Pkt., 10c.

1245 **VAUGHAN'S SPECIAL MIXTURE.** It contains all the desirable types and colors of these beautiful flowers. A great number of kinds have been especially selected for it. ¼ oz., 30c; pkt , 10c.

CANNA ÷

Cannas can be successfully grown from seed if planted early. Pour boiling water over the seeds; take them out after 24 hours and sow at once in sand. Give some bottom heat and cover ¼ to ½ inch. The seed germinates irregularly in two to four weeks. 2½ to 4 ft.

1310 **Giant Flowered, Mixed.** Pkt., 10c.

1311 **New Varieties, Mixed.** Seeds from the collection of a French specialist who has given much attention to this plant. Pkt., 25c.

CENTROSEMA □ =

1610 **Butterfly Pea.** A hardy vine of rare beauty bearing in profusion pea-shaped flowers, ranging in color from rosy violet to reddish purple, with backs of pure white. 6 ft. Pkt., 15c.

SPECIAL MIXTURE OF ANNUALS FOR CUT FLOWERS

1400 This will produce a glorious variety of flowers for cutting. We suggest planting in rows in the vegetable garden where the plants may be cultivated and the blossoms kept cut close so the production of flowers will be encouraged, as the more one cuts the more one has, the secret being not to allow any seed pods to form. Pkt., 15c; ½ oz., 30c; oz., 50c; ¼ lb., $1.50; lb., $5.00.

1287 CANDYTUFT Umbellata Mixed. Pkt., 10c.

Candytuft (Iberis) □

For Mass Planting

For mass planting, interplanting with taller flowers and for edging beds and borders, the candytuft is admirable, and the hyacinth flowered type, bearing flowers in long clusters, makes good cut flowers. Successive plantings give flowers all summer.

1260 **GIANT HYACINTH-FLOWERED WHITE.** 1 ft. Large, bold spikes of snowy white flowers, habit sturdy and compact. This is an especially select stock. Oz., 85c; ¼ oz., 25c; pkt., 10c.

Umbellata sorts grow about 1 ft. tall with flowers in umbrella form, we offer the following six colors and mixed as noted below.

1275	**Alba,** white.	1277	**Flesh.**
1276	**Carmine.**	1282	**Rose Pink.**
1279	**Purple.**	1287	**Mixed.**
1286	**Lilac.**		

Each of the above, ¼ oz., 25c; pkt., 10c.

1270 **Queen of Italy.** 8 in. Dwarf bushes covered with large pink blooms. ⅛ oz., 25c; pkt., 10c.

1290 **Dwarf Hybrids Mixed.** 6 in. Compact plants covered with large flowers, rose, salmon, coral-pink and delicate blush to lilac and purple-crimson. Pkt., 10c; ¼ oz. 25c.

1291	**Dwarf White.**	1292	**Dwarf Flesh.**
1293	**Dwarf Rose.**	1294	**Dwarf Crimson.**
1295	**Dwarf Lilac.**		

Each of above ⅛ oz., 25c; pkt., 10c.

1289 **Little Prince.** 6 in. Immense spikes of snow-white flowers, borne in great profusion on dwarf, sturdy plants. Pkt., 10c.

CANARY BIRD VINE □ =

1250 A dainty vine 15 to 20 feet, with beautiful cut leaves and delicate flowers of a clear canary-yellow. From fancied resemblance to a bird the plant obtained its name. Does well in shade. ½ oz., 30c; pkt., 10c.

1250 CANARY BIRD VINE. Pkt., 10c.

1390 CARNATION Vaughan's Special Mixture. Pkt., 25c.

Quality Carnations □

DOUBLE carnations of first quality, similar in all respects to the greenhouse product, can easily be grown from seed in the outdoor garden. Plants can be lifted in the fall, cut back, potted, and they will flower again indoors. They are hardy and should have an early start, preferably indoors, or in hotbed or greenhouse.

IMPROVED EARLY FLOWERING PERPETUAL. Plants bloom in about five months from sowing and continue all summer. The flowers are very double, of large size, clove scented. The calyx does not split. They are borne on stiff stems 15 to 18 inches high.

Our strain will produce 90% double flowers and comes true to color.

1336 **White.** 1340 **Scarlet.**
1337 **Yellow.** 1341 **Maroon.**
1338 **Rose Pink.** 1342 **Salmon Rose.**
1339 **Flesh Pink.**
1343 **Mixed all colors.**

Each of the above. Pkt., 25c; ⅛ oz., 50c.

1335 **American Hybrids.** A valuable race of large-flowered carnations, borne on long wiry stems for a long season. Pkt., (35 seeds) 25c.

1390 **VAUGHAN'S SPECIAL MIXTURE.** This is a mixture of the best strains. The plants will bloom the first summer and will produce many flowers equal to the best florist's Carnation. They may be lifted in September, potted and will bloom in the house. Pkt., (100 seeds) 25c.

GIANT ENFANT de NICE CARNATIONS. Are the result of a cross between two French varieties. They are of compact growth with extremely stiff stems bearing flowers which are up to 2¼ to 2¾ inches in diameter without disbudding the plants. The colors come about 75% true from seeds and give about 90% of plants with double flowers.

1325 **White.** 1327 **Rose.**
1326 **Salmon.** 1328 **Red.**
1329 **Mixed** from varieties noted above.

Each of above, Pkt., (100 seeds) 35c.

1345 **Guillaud Riviera Market.** Nearly all double flowers of fine form and delicate colors, including yellow. Pkt., 25c.

1350 **Giant Margaret Mixed.** Flowers measuring 3 in. or more; colors include white, pink, crimson and striped. Upright growth. Pkt., (100 seeds) 15c

See also Hardy Perennials.

September 19, 1933

The Zinnia seed I got from you, Colossal Giants, were very fine and they were entered in the Zinnia Show in St. Paul, and took first prize on 1 bloom and 6 blooms.

Mr. J. E., St. Paul, Minnesota

Celosia (Coxcomb) □

THE name coxcomb is derived from the resemblance of the flower heads of the crested type to a cock's comb in form, though in texture they are like plush or chenille. The crested type thrive in light soil and are used for mass effects in beds, or in pots. The plumed type like rich soil. Seeds germinate quickly and should be sown after danger of frost is over.

Crested Dwarf Sorts, 8 to 10 in.

1410 **President Thiers.** Fine dwarf habit, with bronzy foliage, and large, velvety crimson combs. Pkt., 10c.
1415 **Empress.** Blood-red combs and brown foliage. Pkt., 10c.
1420 **Aurea.** Golden yellow combs. Pkt., 10c.
1421 **Rose.** Rose colored combs. Pkt., 10c.
1430 **Dwarf Mixed.** Pkt., 10c; ⅛ oz., 35c.

Crested Tall Sorts, 18 to 24 in.

1431 **Chamois.** 1433 **Golden Yellow.**
1432 **Crimson.** 1437 **Scarlet.**

Each of above, pkt., 15c.

1435 **Tall Mixed.** Pkt., 10c; ⅛ oz., 25c.

Ostrich Plume Varieties

They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage. 2 to 3 ft.

1440 **Aurea.** Orange. Pkt., 10c; ⅛ oz., 25c.
1445 **Coccinea.** Crimson. Pkt., 10c; ⅛ oz., 25c.
1446 **Rose.** Rose. Pkt., 10c; ⅛ oz., 25c.
1450 **Ostrich Plume Mixed.** All colors. Pkt., 10c; ⅛ oz., 25c. **See also Novelties.**

OSTRICH PLUME VARIETIES—**Continued**

1455 **Thompsoni Magnifica.** A choice strain of the Ostrich Plume Celosias. Pkt., 10c; ¼ oz., 40c.
1462 **Chrysanthemiflora.** Produces compact round flower heads in many colors, the deep crimson and pastel shades being particularly attractive, the stems round, straight and strong. Pkt., 10c.
1465 **Chinese Woolflower. Crimson.** (Celosia Childsii). Grows rapidly into a plant 2 to 3 feet high with many branches which in turn are branched, each growth terminating in a flower head resembling a ball of scarlet wool. The color endures unfading until frost, deepening into crimson scarlet. Pkt., 15c.
1466 **Chinese Woolflower. Deep Rose.** This variety is exactly like the original Chinese Woolflower, only the color is a deep rose instead of scarlet. Pkt., 15c.
1467 **Chinese Woolflower. Yellow.** A new color. Pkt., 15c.
1456 **Parrot's Feather.** The stocky, branched plant bears terminal flower heads of fantastic shapes and varied coloring including silvery pink and salmon, red, maroon, yellow and orange. Pkt., 10c.
1460 **Pride of Castle Gould.** Compact pyramidal plants produce immense flower heads, resembling willow plumes in many shades. Pkt., 25c.
1475 **Dwarf Plume Varieties Mixed.** Good for pots. 15 inches. Pkt., 10c.

1465 CELOSIA Childsii Crimson. Pkt., 15c.

Lavatera Rosea Splendens, Four o'clocks and Kochia, make fine "hedge" plants for the flower garden.

1320 CARDINAL CLIMBER. Pkt., 10c.

Cardinal Climber

1320 A strong and rapid growing annual vine attaining a height of 25 feet, with beautiful fern-like laciniated foliage and covered with fiery cardinal-red flowers from mid-summer to frost. The flowers are about 1 inch in diameter and are borne in clusters five to seven blooms each. Like all Ipomoeas it delights in a warm, sunny situation and good, rich soil. The seed should be soaked in water a few hours before sowing and not planted outside until about May 1. The vines are a favorite play ground of humming birds. Pkt., 10c; ¼ oz., 30c.

CHINESE LANTERN PLANT—See Perennials.

CHINESE FORGET-ME-NOT—See Cynoglossum Amabile.

CHRISTMAS ROSE—See Helleborus Niger in perennial pages.

CLIANTHUS

1810 **Dampieri (Glory Pea of Australia).** + 2 ft. The flowers are not very unlike the Erythrina, very freely produced in hanging clusters, bright red with a black spot. Sow seed in sandy soil where the plants are to remain. 15 seeds, 25c.

CLEOME

1800 **Pungens (Spider Plant).** □ 5 ft. A showy garden annual producing curious heads of flowers of bright rose; of easy cultivation, blooming until late; a good bee plant. Produces unique effect in the border. Pkt., 10c; ¼ oz., 30c.

1801 **Pungens White.** Same as above only flowers are white. Pkt., 10c.

CINERARIA (Dusty Miller)

1730 **Maritima, Diamond.** 16 in. White leaved, for bedding only. Seed should be started early in the house. Pkt., 10c; ¼ oz., 25c.

CINERARIA HYBRIDA—See page 81.

1800 CLEOME PUNGENS. Pkt., 10c.

1570 CENTAUREA Giant Sweet Sultan Mixed. Pkt., 10c.

1580 CENTAUREA, Yellow Sweet Sultan. Pkt., 10c.

1535 BACHELOR'S BUTTONS Vaughan's Special Mixture. Pkt., 10c.

Colorful Family of Annual Centaureas

Cyanus (Bachelor's Button or Cornflower)

They are easy to grow and bloom continuously. Just sow the seed broadcast wherever you want the plants to flower. If the soil is rich, the flowers will be larger and have longer stems. Make sowings at intervals of three weeks apart, beginning in early May.

Single Flowering

1525 **Dwarf Victoria. Blue.** 9 in. Neat and compact dwarf variety with a profusion of deep blue flowers, useful for edgings. Pkt., 10c.

Double Flowering Varieties 2 ft.

1500 **Pure White.**
1505 **Blue.**
1510 **Pink and Rose Shades.**
1511 **Mauve.**
1512 **Crimson.**
1515 **Purple.**
1516 **Ruby.**

Each of the above, ¼ oz., 25c; pkt., 10c.

1520 **Double Mixed.** ¼ oz., 20c; pkt., 10c.

1535 **VAUGHAN'S SPECIAL MIXTURE OF BACHELOR'S BUTTONS** double and single varieties. ¼ oz., 25c; pkt., 10c.

Imperialis (Giant Sweet Sultan) 2½ ft.

Finest of all Sweet Sultans for cut flower purposes. The beautiful sweet-scented, artistic shaped flowers are borne on long, strong stems; when cut and put in water will last for several days in good condition.

1540 **White.**
1545 **Lilacina.** Dark lilac.
1550 **Brilliant Rose.**
1560 **Splendens.** Purple crimson.
1565 **Deep Lavender.**
1566 **Amaranth.** Rich plum color.

Each of the above, pkt., 10c; ¼ oz., 30c.

1570 **Imperialis, Mixed.** All colors. ¼ oz., 25c; pkt., 10c.

1590 **VAUGHAN'S SPECIAL MIXTURE OF CENTAUREA.** Includes all the annual Centaureas, and a packet will produce cut flowers all summer. ¼ oz., 25c; pkt., 10c.

Various Centaureas

1480 **Americana (Basket Flower).** 3 ft. A splendid native variety; bears immense thistle-like blooms of rosy lavender color. Pkt., 10c; ¼ oz., 25c.

1485 **Americana Alba.** 2½ ft. **Star Thistle.** Immense heads of double fluffy blooms, almost pure white. Pkt., 10c; ¼ oz., 25c.

1575 **Moschata, Mixed.** 2 ft. Sweet Sultan, white, red and blue. Pkt., 10c.

1580 **Suaveolens.** 2 ft. (Yellow Sweet Sultan or Grecian Cornflower.) Very showy, large, bright yellow flowers sweetly scented and a popular sort for cutting; lasting well. ¼ oz., 30c; pkt., 10c.

White Leaved Centaureas (Dusty Millers for Bedding)

1595 **Candidissima.** 10 in. Thick silvery white leaves. Should be sown early. Pkt., 10c; ⅛ oz., 25c

1600 **Gymnocarpa.** 1½ to 2 ft. Foliage finely cut of silvery gray color. Pkt., 10c; ¼ oz., 25c.

Cineraria Maritima Diamond is also known as Dusty Miller.

CHEIRANTHUS

7440 **Allioni (Siberian Wallflower).** 1 ft. Dazzling fiery orange flowers, on stems about a foot high. Best used as a biennial as it frequently blooms itself to death. Blooms from seed the first year. Pkt., 10c; ⅛ oz., 25c.

1609 **Kewensis.** 12 in. A brilliant orange-yellow biennial which blooms freely from seed first year. Pkt., 25c.

1611 **Linifolius (Alpine Wallflower).** 9 in. Wallflower-like blossoms of an uncommon lilac shade. Pkt., 15c.

1790 CLARKIA Vaughan's Special Mixture. Pkt., 10c.

Clarkia □ 2 ft.

The flowers have been described as resembling sprays of flowering almond, and the rose and pink tones are especially attractive. They are hardy, germinate quickly and flower from July to Oct. They do well in sandy soil.

1740 **Apple Blossom.** Double apple blossom.
1743 **Brilliant.** Double salmon-scarlet.
1746 **Chamois.** Double.
1748 **Orange King.** Double bright orange scarlet.
1751 **Purple Prince.** Double.
1755 **Queen Mary.** Double rose carmine.
1760 **Salmon-Pink.** Double salmon.
1765 **Scarlet Queen.** Double orange-salmon.
1766 **Vesuvius.** Double fiery scarlet and rose.
1770 **White Prince.** Very double, pure white.

Each of above, pkt., 10c.

1790 **VAUGHAN'S SPECIAL MIXTURE.** Made up especially from the above named varieties. ⅛ oz., 25c; pkt., 10c.

CLINTONIA (Downingia)

1815 **Pulchella.** 4 to 6 in. A very attractive Lobelia-like half hardy annual. The flowers have a white ground, effectively marked with blue; suitable for edging, pots and rock gardens. Pkt., 25c.

COCKSCOMB—See Celosia Cristata.

COIX

1850 **Lachrymae (Job's Tears).** □ 2 to 4 ft. An ornamental grass with curious seeds which may be used as beads. 1 lb., $1.00; ¼ lb., 30c; 1 oz., 10c.

COLLINSIA

1870 **Mixed.** □ 18 in. A genus of Californian and Mexican annuals of some considerable beauty, belonging to the Snapdragon order. They flower from May to July. Grow in groups in good ordinary soil in sunny borders, or in small beds. Pkt., 10c.

RAINBOW CORN—See Zea Japonica.

COLLOMIA

1871 **Coccinea** □ 9 in. Hardy annual of compact habit, producing large heads of brilliant orange-red starry flowers; very distinct in color. Pkt., 10c.

CUPHEA

2000 **Platycentra (Cigar Plant)** ÷ 10 in. Useful bedding, half hardy annual. Profusion of scarlet and black tubular flowers. Green foliage, good pot plant. Pkt., 20c.

CYCLAMEN—See page 81.

1870 COLLINSIA Mixed. Pkt., 10c.

1660 CHRYSANTHEMUM Coronet. Pkt., 15c.

1700 CHRYSANTHEMUM Vaughan's Special Single and Double Annual Mixed. Pkt., 10c.

Tall 'Mums for the Border

Single Flowering Varieties. 20 in. □

Sown in April, they begin flowering in July. The double varieties, which grow 4 feet high, make imposing border plants in midsummer. All types should be pinched back to encourage branching, and grown in rich soil.

1620 **Morning Star.** Petals primrose-yellow with halo of deeper yellow; dark yellow disc. Pkt., 10c.
1637 **Eldorado.** Bright canary yellow, large dark mahogany disc. Pkt., 10c.
1625 **Evening Star.** Rich sunflower-yellow, disc dark yellow. Pkt., 10c.
1626 **Eastern Star.** Primrose, brown disc. Pkt., 10c
1627 **Purpureum W. E. Gladstone.** Rich velvety purple, yellow ring. Pkt., 10e.
1635 **Burridgeanum.** Pure white petals with zone of rich brownish red and inner zone of yellow surrounding the dark brown disc. Pkt., 10c.
1640 **Golden Feather.** Foliage striking yellow; flower with a crimson ring near center. Pkt., 10c.
1645 **The Sultan.** Rich wallflower-red with a narrow yellow zone around the brown disc. Pkt., 10c.
1650 **Northern Star.** White fringed petals with canary-yellow zone, brown eye. Pkt., 10c.
1655 **Vaughan's Special Single Mixed.** Showy flowers of bright colors. ¼ oz., 25c; pkt., 10c.
1660 **Coronaria Nanum Single Coronet.** 1½ ft Flowers cream, distinctly edged lemon. Pkt., 15c.

Double Flowering Varieties. 4 ft.

1656 **Coronarium Double White.** Pkt., 10c.
1659 **—Double Golden Yellow.** Pkt., 10c.
1695 **Vaughan's Special Mixture of Double Chrysanthemums.** ¼ oz., 25c; pkt., 10c.
1700 **VAUGHAN'S SPECIAL MIXTURE. Single and double sorts** in finest mixture including many new varieties not catalogued. ¼ oz., 25c; pkt., 10c.
1705 **Frutescens.** Paris daisy or Marguerite. Large white star-shaped flowers. Pkt. 10c.

The following are valuable for pots:

1710 **Chinese and Japanese Varieties Mixed.** Sow seed in February or March, the plants will bloom by fall. Pkt., (100 seeds) 25c.

COSMIDIUM

1930 **Orange Crown.** □ 2 ft. The flowers are golden yellow with a broad circle of a rich orange around the disc, a pleasing combination. Plants produce a succession of bloom all summer. Pkt., 10c.

1919 CONVOLVULUS Dwarf Blue. Pkt., 10c.

COBAEA

1820 **Scandens, Cathedral Bells** □ ≐ 30 ft. One of the handsomest rapid growing climbers. The bell-shaped flowers open a clear green, but turn lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer. ¼ oz., 25c.
1825 **Flore Albo.** White. ¼ oz., 30c.
1830 **Mixed.** White and blue.
Each of the above, pkt., 10c.

Chrysanthemum Coronet and Centaurea Cyanus Double Blue are a pleasing combination for vase decorations.

1820 COBAEA Scandens. Pkt., 10c.

COLEUS

1855 **Vaughan's Mammoth Rainbow Mixture** ÷ 2 ft. The handsomest foliage plant obtained from seed. The leaves often measure 10 inches long 8 inches wide, heart-shaped and frilled; their color combinations are remarkably rich. Pkt., 25c.
1860 **Fine Mixed.** Pkt., 10c.
1861 **Large Leaved Copper.** Pkt., 25c.
1863 **Large-Leaved Dwarf Mixture.** This variety is dwarf in growth which makes it a good pot plant. The coloring is very attractive with many shades and tints of yellow, copper, red, white and green. Pkt., 25c.

CONVOLVULUS (Morning Glory) □ = Major—Tall Varieties

The Morning Glory is too well known to need a description. There are few more satisfactory vines.

1900 **Mixed,** all colors. 1 lb., $1.00; ¼ lb., 30c; 1 oz., 15c; pkt., 10c.
1905 **Double Mixed.** The flowers are double and semi-double and some are fringed. Pkt., 10c.

CONVOLVULUS MAURITANICUS—See Perennial pages

CYPRESS VINE □ = 10 ft.

A very graceful, twining annual climber with delicate, fernlike foliage, and a profusion of star shaped blossoms.

2040 **Mixed Scarlet and White.** ½ oz., 20c; pkt., 10c.
2045 **Ivy-Leaved Scarlet.** Deeply lobed, ivy-like leaves, and small scarlet flowers. Pkt., 10c.

CYPERUS

2030 **Alternifolius (Umbrella Plant)** + 1½ ft. Ornamental foliage plant with shining green fronds resembling a miniature palm. Grows in water with rich soil or mud. Fine plants can be grown from seed in less than three months. Pkt. 10c.

If you are interested in larger amounts than quoted of any of the items listed, we shall be glad to quote you.

See Perennial pages for Hardy Mums.

DWARF MORNING GLORY. 1 ft.

Showy hardy annuals for beds and borders, also rockwork; they bloom for a long period and delight in sun

1919 **Dwarf Blue.** Beautiful blue flowers on a dwarf bushy plant. Fine for edging or rock work. Oz., 25c; pkt., 10c.
1920 **Mixed,** all colors. 1 oz., 15c; pkt., 10c.

1855 COLEUS Vaughan's Mammoth Rainbow. Pkt., 25c.

1994 COSMOS Double Early Flowering Mixed. Pkt., 25c.

1954 COSMOS Miniature Golden. Pkt., 15c.

1950 COSMOS Early Flowering Mammoth Mixed. Pkt., 10c.

Cosmos for Summer and Autumn Color

COSMOS □ 4 to 6 ft.

While early varieties begin flowering in July, cosmos reaches the height of its beauty in the autumn, when it becomes one of the dominant border families. Given plenty of room, the tall plants branch freely, and are effective both in their abundant flowers, and their feathery foliage

Early Flowering Mammoth

1935 **White.** 1945 **Crimson.**
1940 **Pink.**
Each of the above, ¼ oz., 25c; pkt., 10c.

1950 **Early Flowering Mammoth Mixed,** all colors. ¼ oz., 20c; pkt., 10c.

1955 **Early Harbinger Mixed.** Contains new tones such as soft pink, peach, apple-blossom, lavender and others all of the early giant flowering type. Pkt., 25c.

1980 **Klondyke.** A gorgeous orange-yellow flower with very handsome foliage more coarsely laciniated than others. In the Northern States seed should be sown early in pots and the pots plunged in the ground after all danger of frost is over, as the roots have to be confined to produce flowers. Pkt., 10c.

1954 **MINIATURE GOLDEN.** 18 in. The rich, yellow, star-like flowers are very attractive on the deep olive green finely cut foliage. They form neat and compact bushes and bloom very freely. Excellent cut flower or edging plant. Pkt., 15c.

SPECIAL OFFER

1989 1 pkt. each three Cosmos, illustrated on top of this page for 40c.

2015 CYNOGLOSSUM (Chinese Forget-Me-Not). Pkt., 10c.

1998 CREPIS Hawkweed. Pkt., 15c.

CREPIS

1998 **Barbata Rosea** □ 18 in. **(Hawkweed)** Showy semi-double star flowers of bright rose color. Bushy plant attractive in the garden and useful for cutting purposes. Pkt., 15c.

ANNUAL CLIMBERS

315 **Antigonon Leptopus.** Pkt., 10c.
995 **Balloon Vine.** Pkt., 10c.
1008 **Balsam Apple and Pear Mixed.** Pkt., 10c
1165 **Bryonopsis Laciniosa.** Pkt , 10c.
1250 **Canary Bird Vine.** Pkt., 10c.
1320 **Cardinal Climber.** Pkt., 10c.
1820 **Cobaea Scandens.** Pkt., 10c.
1900 **Convolvulus Major, Mixed.** Pkt., 10c.
2040 **Cypress Vine, Mixed.** Pkt., 10c
2340 **Dolichos Mixed.** Pkt. 10c.
2660 **Gourds Mixed.** Pkt., 10c.
2850 **Humulus Japonicus.** Pkt., 10c.
Ipomoea, all varieties.
3215 **Maurandya Mixed.** Pkt., 10c.
3220 **Melothria Punctata.** Pkt., 10c
3745 **Tall Nasturtium, Vaughan's Special Mixed.** Pkt., 10c.
5640 **Thunbergia Mixed.** Pkt., 10c.
5847 **Wild Cucumber.** Pkt., 10c.

ANNUAL CLIMBERS MIXED

1795 A mixture we have made of many annual climbers suitable for outdoor culture. Pkt., 10c; oz., 50c

SEED AND BULB ORDERS

Should have the quantity required written distinctly in the column provided for same with prices. Flower Seeds may be ordered by name, or by the marginal number.

Anemone Flowered or Crown and Crested

These are distinct in the formation of the center of the flower, which develops a crown or crest, like an anemone, the guard petals remaining the same.

1981 **Crimson.** 1983 **White Queen.**
1982 **Pink Beauty.** 1984 **Mixed.**
Each of the above, pkt., 15c; ⅛ oz., 25c.

Double Early Flowering

These grow to a height of about three feet, forming a perfect bush, massed with bloom, bearing beautiful double flowers of good size, on long stems. They come about 65 per cent double from seed.

1990 **Pink.** 1991 **White.** 1992 **Crimson.**
Each of the above, pkt., 25c.
1994 **Mixed.** Above 3 colors. Pkt., 25c.

CYNOGLOSSUM

2015 **Amabile, Chinese Forget-Me-Not.** □ 18 to 24 in. Produces large sprays of brilliant blue Forget-Me-Not like flowers. Grows easily and blooms for a long season. A most delightful addition to our list of blue flowers. ½ oz., 25c; pkt., 10c.

2017 **Amabile Pink.** Similar to the above in every way but having lovely bright pink blooms. Pkt., 15c.

2016 **Linifolium.** 9 in. Charming white Forget-Me-Not like flowers with silvery foliage. Pkt., 10c.

DIDISCUS COERULEUS

2310 **Lavender Lace Flower** □ 3 ft. Charming blue annual, with dainty lavender and blue flowers which resemble Queen Anne's Lace of our roadsides Excellent for bedding and desirable cut flower ⅛ oz., 25c; pkt., 10c.

2310 DIDISCUS Lavender Lace Flower Pkt., 10c.

Grow Dahlias from Seed

2057 DAHLIA Coltness Gem. Pkt., 35c.

All types of dahlias, large flowered, pompon and the small bedding type so popular abroad, may be grown easily from seed and will blossom the first year. The Coltness bedding dahlias, sown outdoors when frost danger is over, will blossom in July, and are no more difficult to handle than zinnias. With the large flowered types, an earlier start is advisable. Sow in a shallow box or pan in March or early April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over, plant in the garden, and from then on they will prove no more trouble than if tubers had been used instead of seed.

Single Flowering

2055 **Collarette, Mixed Colors.** 3 ft. Flowers of various colors, adorned with a collar of small petals around the center. Pkt., 10c.

2056 **Coltness Hybrids.** 18 in. Habit neat and compact, blooms from July until frost. The flowers of red and yellow have either flat or slightly fluted petals, and are nearly all three inches in diameter. Pkt., 25c.

2057 **Coltness Gem.** 18 in. The color is a bright scarlet and the single flowers are produced in abundance. Fine for bedding or growing singly in the smallest gardens. Pkt., 35c.

2058 **Coltness Yellow.** 18 in. The single flowers are a good clear yellow. Pkt., 35c.

2065 **Giant Perfection Mixed.** 4 ft. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, of the most bewildering variety of color. Pkt., 10c; ⅛ oz., 25c.

See also Novelties.

DAHLIA PLANTS—Offered on page 84.

2090 **DAHLIA, VAUGHAN'S SPECIAL MIXTURE.** This mixture contains seed from the best collections in America and Europe and embraces all the various strains of double-flowering Dahlias, such as Show, Pompon, Lilliput and Cactus varieties, also the single flowering and striped sorts. Pkt., (60 seeds) 25c.

2090 DAHLIA Vaughan's Special Mixture. Pkt., 25c.

Double Flowering

2070 **Double Good Mixed.** 3 ft. Pkt., 10c.

2075 **Double Cactus Flowered Mixed.** 3 ft. With twisted and curled petals. Pkt., 15c.

2080 **Double Best Mixed.** 3 ft. Saved from show and fancy sorts. Pkt., 25c.

2089 **Double Lilliput Mixed (Pompon).** 1 ft. Small flowered, splendid assortment. Pkt., 15c.

2082 **Hornsveld's Giants.** Wonderful new single and semi-double flowers in many brilliant colors. Pkt., 50c.

DATURA (Angel's Trumpet) □

Handsome subtropical plants for summer bedding, having large trumpet-shaped fragrant flowers. They should be given a light soil and a sunny sheltered position. Make fine pot plants for the greenhouse. 3 ft.

2100 **Cornucopia (Horn of Plenty).** Immense flowers, triplicate in form, one within the other; rich violet, with white interior.

2105 **Golden Queen.** Bright yellow flowers.

2110 **Double White.** 2115 **Double Fine Mixed.** Each of the above, pkt., 10c.

DRACOCEPHALUM

2355 **Moldavicum. (Dragon's-Head).** □ 18 in. A native of Siberia, has lace-shaped crenulate leaves, and fragrant bluish violet flowers borne in long nodding racemes from July to October. Succeeds in good ordinary soil when grown about a foot apart. Pkt., 10c.

DIGITALIS (Foxglove)—See Perennial pages.

DELPHINIUM ANNUAL—See Larkspur.

DUSTY MILLER—See Centaurea and Cineraria.

2250 DIANTHUS Sweet Wivelsfield. Pkt., 15c.

Dianthus

(Annual Garden Pinks) □

This branch of the dianthus family bears both single and double flowers, fragrant, with fringed petals, and brilliant colors, often marked in contrasting stripes and spots. Started indoors, in February, plants should bloom outdoors in August. Plants will usually live over the winter outdoors, with light protection. 1 ft.

Single Flowering

2196 **Salmon Queen.** Salmon Scarlet. Pkt. 10c.

2250 **SWEET WIVELSFIELD.** It is the result of a cross of the Dianthus Allwoodii on the Dianthus Barbatus. The growth is not unlike the Sweet William but the flowers are larger and it has a much wider range of color. Besides retaining the brilliant coloring of the Heddewigi strain, which was one of its ancestors, it has many of the dainty markings of the same. Some of the flowers have a honey perfume. Blooms the first year from seed and will live over winter if conditions are favorable. Pkt., 15c; ⅛ oz., 30c.

2245 **VAUGHAN'S SPECIAL MIXTURE, SINGLE PINKS.** The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep crimson. ¼ oz., 30c; pkt., 10c.

Double Flowering

2255 **Salmon.** A beautiful shade.

2256 **Tom Thumb Brilliant.** Dwarf, bright red, splendid for rock work.

2272 **Brilliant Rose.**

2280 **Lucifer.** Double orange.

2283 **Violet Queen.** Pale violet.

2285 **Mourning Cloak.** Crimson, edged white.

2290 **Fireball.** Scarlet, compact, floriferous.

2293 **Snowball.** Compact, fringed white flowers.

2295 **Rosalind.** Double rose.

2296 **Midnight.** Double blood-red.

Each of the above, pkt., 10c.

2300 **VAUGHAN'S SPECIAL MIXTURE OF DOUBLE PINKS.** Selection of the best double pinks in cultivation ranging in color through all the most brilliant shades. ¼ oz., 30c; pkt., 10c.

2305 **VAUGHAN'S SPECIAL MIXTURE OF DOUBLE AND SINGLE PINKS.** This magnificent mixture contains the cream of the annual pinks both single and double. ¼ oz., 30c; pkt., 10c.

DIASCIA BARBARAE

2306 A dainty graceful little annual. Has an abundance of elegant flower spikes 12 to 18 in. tall. All along the upper part of the flower stems are arranged individual small blooms not unlike a larkspur. Color a lively rose-pink shaded salmon. Pkt. 25c.

ECHIUM

2357 **Plantagineum. (Bugloss.)** □ 20 in. A charming annual with an upright stem which carries branches which terminate in the most delightful blue flowers, cup shaped which have a pink tint in early stages. Blooms in July, August. Succeeds in good ordinary soil in sunny border. Pkt , 10c.

ERAGROSTIS

2359 **Elegans (Love Grass).** □ A flowering grass of erect growth about 18 inches high with feathery panicles. Suitable for cutting and for winter bouquets. Pkt., 10c.

ERYSIMUM

2361 **Perofskianum (Fairy Wallflower).** □ 12 to 18 inches. A particularly attractive annual for growing in masses in beds or in borders. Bears bright orange fragrant flowers in profusion during the summer. One of the showiest and easiest grown of all hardy annuals. Will thrive in fairly good soil. Pkt. 10c.

2305 DIANTHUS Vaughan's Special Double and Single Mixed. Pkt., 10c.

New Golden African Daisies

DIMORPHOTHECA □

THIS branch of the daisy order attracts by its interesting blends of color, which are of the class often termed art shades. They have the contrasting bands and centers, characteristic of all South African daisies. May be sown out-of-doors where it is to flower or raised under glass in spring and planted out later, the latter method giving, perhaps, the most satisfactory results. They should be planted in well fertilized soil in the sunniest possible position. They bloom from July to October, and are excellent for mass planting.

2320 **Aurantiaca. (Orange African Daisy.)** 1 ft. A rich orange gold, which is rendered more conspicuous by dark center disc. Pkt., 15c.

2325 **Aurantiaca Hybrida.** They vary in color from pure white to red and blush including sulphur, lemon and bright golden yellow, light orange, reddish yellow and pale salmon-rose. Pkt., 10c.

2321 **Aurantiaca Golden West.** Bright golden yellow. Pkt., 10c.

2322 **Salmon Beauty.** Soft salmon pink. Pkt., 10c.

2326 **Ecklonis.** White flowers, 3 in. across, with dark blue-spotted center, reverse of petals blue and mauve; in bloom from spring to autumn. Pkt., 15c.

2327 **Pluvialis Ringens.** A dwarf variety, but flowers more freely. The individual flowers are pure white on the inside with a conspicuous blue ring around the center or eye of the flowers. 12 inches. Pkt., 15c.

2340 DOLICHOS Mixed. Pkt., 10c.

DOLICHOS (Hyacinth Bean) □ = 10 ft.

A rapid-growing annual climber with large pea-shaped flowers in erect racemes, followed by ornamental seed pods.

2330 **Princess Helen (Daylight).** Snow-white flowers, which resemble the dainty swainsonia, silvery seed pods. Oz., 30c; pkt., 10c.

2335 **Purple Soudan (Darkness).** Rose-violet flowers, dark ruby-purple seed pods. Oz., 30c; pkt., 10c.

2340 **Mixed.** 1 oz., 20c; pkt., 10c.

2345 **Lignosus (Australian Pea Vine).** A rapid-growing evergreen climber, flowering freely in clusters of rose pea-shaped flowers. Pkt., 10c.

For complete list of other climbers, see page 43.

Full cultural directions are given on each seed packet.

2415 ESCHOLTZIA Vaughan's Special Mixture. Pkt., 10c.

Everlastings You Can Grow

Winter bouquets of your own growing make an attractive present for a friend, besides supplying during the long, cold winter, when flowers are scarce, a bit of brightness for your own home. Cut before fully expanded, bunch like sweet peas and hang on a line in a warm, dark, dry room. They will dry thoroughly in ten days.

Annuals

150 **Acroclinium Roseum.** Double. 2 ft. Pkt., 10c.
295 **Ammobium Alatum Grand.** Pkt., 10c.
2438 **Eulalia Japonica Zebrina.** Pkt., 10c.
2457 **Festuca Glauca.** Pkt., 15c.
2525 **Gomphrena.** Mixed, all colors. Pkt., 10c.
2810 **Helichrysum (Strawflower).** Vaughan's Special Mixture. Pkt., 15c.
2815 **Helipterum Sandfordii.** Pkt., 10c.
4540 **Rhodanthe.** Mixed colors. Pkt., 10c.
4683 **Salvia Farinacea.** Pkt., 10c.
4795 **Statice Russian (Suworowii).** Pkt., 15c.
4800 **—Bonduellii.** Yellow. Pkt., 10c.
4802 **—Sinuata True Blue.** Pkt., 10c.
4801 **—Sinuata Rosea Superba.** Pkt., 10c.
5849 **Xeranthemum Double Mixed.** Pkt., 10c.
2440 **Everlasting Mixed.** 1 to 2 ft. Pkt., 10c.

Perennials

7788 **Echinops Ritro (Globe Thistle).** Pkt., 10c
7795 **Eryngium Planum (Sea Holly).** Pkt., 10c.
7860 **Gypsophila Paniculata Fl. Pl.** Pkt., 25c.
8150 **Lunaria Biennis or Honesty.** Pkt., 10c.
8345 **Physalis Franchetti.** Pkt., 10c.
8520 **Statice Latifolia (Sea Lavender).** Pkt., 10c.

All the Ornamental Grasses.

Escholtzia

(California Poppy) □ 1 ft.

The State flower of California. A bright free-flowering plant of low spreading growth with finely cut silvery foliage. The poppy-like flowers are produced from early spring until frost. Sow the seed where the plants are to remain. The California Poppy makes an interesting plant for the foreground of the border, bringing a touch of gold and gray from the West.

Bush—See Hunnemannia.

2370 **Carmine King.** Beautiful carmine-rose color, both inside and outside the flower

2376 **Chrome Queen.** Lovely soft buff yellow.

2380 **Dainty Queen.** Blush or pale coral pink, deeper towards the edges with a ground of cream.

2385 **Golden West.** Flowers bright yellow and orange, penciled and blotched.

2387 **Mandarin.** Inner side of the petals orange, the outer side brilliant scarlet.

2392 **Mikado.** Flowers lustrous orange-crimson.

2396 **Ramona.** Single flower with frilled edges which gives it an appearance of a semi-double. The color is a glittering coppery gold with pink shadings.

2395 **Robert Gardiner.** Double, orange. Pkt., 25c.

2397 **Rose Cardinal.** Dark rose, inside blush.

2398 **The Geisha.** Orange-red outside, golden within.

2405 **Vesuvius.** Wallflower red. Rich.

2410 **Double and Semi-Double Mixed.**

Each of the above, except when noted otherwise. ⅛ oz., 25c; pkt., 10c.

2415 **VAUGHAN'S SPECIAL MIXTURE.** This mixture includes all the varieties here catalogued of the double and single sorts and is the most complete mixture of these charming annuals in existence. Oz., 75c; ¼ oz., 25c; pkt., 10c.

2325 DIMORPHOTHECA Aurantiaca Hybrida. Pkt., 10c.

ERYTHRINA

2360 **Crista Galli (The Coral Tree).** + 4 ft. A fine plant for south walls with protection, and for subtropical gardening. Produces in summer handsome racemes of rich deep scarlet flowers. Featured in Garfield park, Chicago. Pkt., 15c.

EUCALYPTUS

2425 **Globulus (Blue Gum).** ÷ Admirable for subtropical bedding or greenhouse decoration. Pkt., 10c.

EUTOCA

2439 **Viscida.** □ 1 ft. A lovely little plant with intense brilliant blue flowers, exceedingly effective in beds and borders, a good bee plant. Pkt., 10c.

EUPHORBIA □ 2 ft.

Strong growing annuals, for beds of tall plants or mixed borders; the flowers are inconspicuous but the foliage exceedingly ornamental.

2430 **Heterophylla (Mexican Fire Plant).** Annual poinsettia resembling in habit and color the beautiful hothouse poinsettia. About mid-summer the center top leaves of each branch turn orange-scarlet. ¼ oz., 25c; pkt., 10c.

2435 **Variegata (Snow on the Mountain or Mountain Spurge).** 2 ft. Remarkably distinct plant; very showy with its foliage edged white and green. ¼ oz., 25c; pkt., 10c.

ECHINOCYSTIS LOBATA—See Wild Cucumber.
FORGET-ME-NOT—See Myosotis.
FOUR O'CLOCK—See Mirabilis.
FOXGLOVE—See Digitalis.

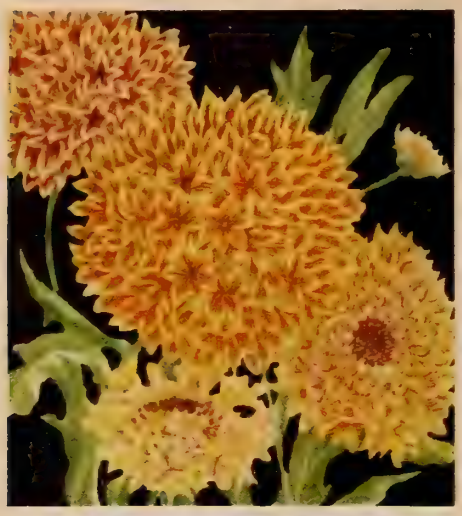
THE BOOK OF ANNUALS

By Alfred C. Hottes

Contents: The Uses of Annuals; Ordering Seeds; Classes of Annuals; Seed Sowing; Transplanting; Pinching; The Hoe vs. The Hose; Watering vs. Sprinkling; Annuals and Shades; Fall Sowing and Self-Sown Annuals; Hotbeds and Coldframes; Annual Flowers and Their Uses; 155 illustrations. Blue Cloth. 182 pages..... **$1.50**

2435 EUPHORBIA (Snow on the Mountain). Pkt., 10c.

Thrifty, Yet Gay, Godetias



2475 GAILLARDIA Lorenziana, Double Mixed. Pkt., 10c.

GAILLARDIA (Blanket Flower) □

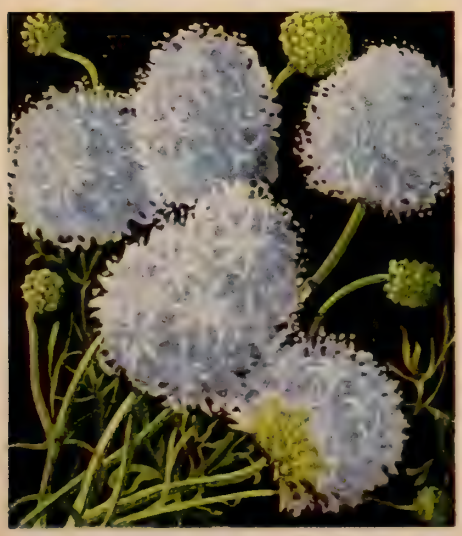
One of the most profuse bloomers of the flower garden, the color of the Gaillardia may be termed "sunset" because the flowers run to reds and orange, rose-tinted at the base of the petals. The flower heads are terminal and on long stems. The foliage is a good gray-green and fairly abundant. Gaillardias grow best in a part of the garden getting full sunlight. The soil should be porous and well drained. Start the seeds early or sow them where they are to grow. 18 in.

2465 **Amblyodon.** Deep red. Pkt., 10c.
2466 **Picta Josephus.** Large red, edged yellow. Pkt., 15c.
2467 **—Aurora Borealis.** Brown, red and yellow. Pkt., 10c.
2470 **—Single Mixed.** Pkt., 10c.
2471 **INDIAN CHIEF.** The blooms of this variety have an exceptional richness of color. The petals are a glittering, metallic, bronzy red color accentuated by a dark brown center. This variety is of the bedding type as it makes dense bushy plants that grow about a foot high. Throughout the Summer the plants are well covered with large single blooms. Pkt., 15c.
2474 **Lorenziana Rubra.** Beautiful double red flowers. Pkt., 15c.
2475 **Lorenziana Double Perfection Mixed.** ⅛ oz., 25c; pkt., 10c. **See also Perennial pages.**

GESNERIA—See page 81.

GILIA □

2532 **Capitata (Blue Thimble Flower).** 2 ft Bushy plant of erect habit with fine feathery foliage covered all summer with rich lavender-blue flowers, 1 inch across. Makes a good cut flower as the blooms last well. May also be used as everlasting, as the flowers retain their color when dried. ¼ oz., 25c; pkt., 10c.
2530 **Mixed.** 1 ft. Exceedingly graceful, early flowers and valuable for bees. Charming in the flower border and for cutting in spring and summer. Pkt., 10c.
2531 **Tricolor. "Birds Eyes."** 1 ft. Flowers pale lilac, yellow toward the center, with five purple spots. Pkt., 15c.



2532 GILIA Capitata. Pkt., 10c.

GODETIA □

An attractive hardy annual, deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of satiny texture in many rich and varied colors. They do best in a rather poor soil.

2570 **Duchess of Albany.** 16 in. Pure white.
2573 **Gloriosa.** 10 in. Deep blood-red.
2576 **Rosamunde.** 8 in. Fiery rose.
2579 **Lady Satin Rose.** 10 in. Bright carmine.
2583 **The Bride.** 24 in. White and red.
2584 **Whitneyi.** 15 in. Double Azalea flowered pink blossoms. Excellent for pots.
2587 **Many Sorts and Colors Mixed.**
2598 **Dwarf Sorts Mixed.** 10 in. Neat globular.
Each of the above, pkt., 10c.

Gladiolus Flowered. 24 in.

Quite distinct, with flower spikes much like a gladiolus but more graceful, with closely set double flowers in bright colors.

2588 **Carmine.**
2589 **Rosy Morn.**
2590 **Rose.**
2593 **Mauve.**
2591 **Mixed Colors.** Noted above.
Each of the above pkt., 10c.

GREVILLEA—See page 81.

2660 GOURDS Mixed. Pkt., 10c.

GOURDS □ =

The flowers are often beautiful and the fruit ornamental and sometimes useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs, bowls and bird-houses.

2600 **Apple-shaped.** Beautifully striped.
2605 **Bottle.** Large. The original Thermos bottle.
2607 **Bottle.** Miniature.
2608 **Calabash or Pipe Gourd.** Odd-shaped fruit which is used in making pipes.
2610 **DIPPER.** Fruit makes an excellent dipper and may be used for wren's nests.
2615 **Dishcloth or Towel. Luffa Acutangula known as Sing-kwa.** The fruit is eaten when young, being cooked like squash. Many women prefer a dishcloth made of this Gourd as it is sweet and clean as long as it lasts.
2618 **Hercules Club.** Fruit grows 3 to 4 ft. long.
2625 **Japanese Nest Egg.** Practical nest eggs.
2627 **Orange.** The well known Mock Orange.
2630 **Ornamental Pomegranate** or Queen's Sweet Pocket Melon. Fruit deliciously perfumed and may be carried in the pocket or laid among linens. This is true stock.
2635 **Pear-Shaped.** Striped yellow and green.
2640 **Sugar Trough.** Thick shells, very durable.
2643 **Spoon.** Small ball-shaped fruit with slender necks, deep orange. By slicing off a side a satisfactory spoon is made.
2645 **Turk's Turban.** Odd brightly colored fruit.
Each of the above pkt., 10c.
2650 **Small Fruited Varieties Mixed.** Pkt., 10c.
2660 **Mixed, all Varieties.** 1 oz., 30c; ½ oz., 20c; pkt., 10c.

Any 3 pkts., of the above, 25c.

2590 GODETIA Gladiolus Flowered Rose. Pkt., 10c.

GAURA □

2480 **Lindheimeri.** 3 ft. A graceful plant with strong leafy stems, bearing from July until frost numerous spikes of white flowers flushed with pink. Especially sun-loving and drouth-resisting. A lovely combination is to plant Gaura in front of Hollyhocks with a few plants of Salvia farinacea mingled with the Gaura. Pkt., 10c; ⅛ oz., 25c.

GERANIUM ÷

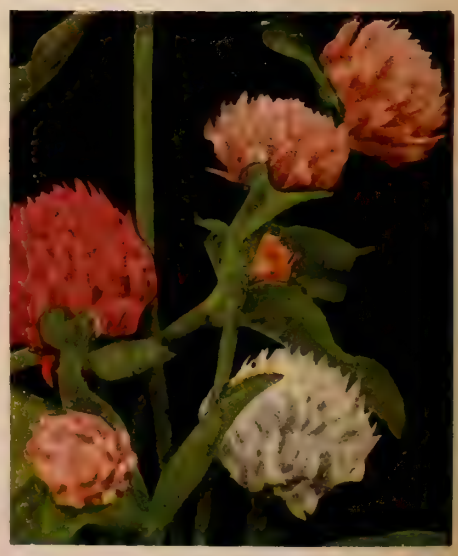
These grow readily from seed the first year and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of thus securing something new.

2485 **Zonale Varieties.** Saved from a choice collection. Pkt., 10c.
2490 **Large Flowering, Newest Varieties Mixed.** Pkt., (50 seeds) 15c.
2495 **Apple-scented.** Leaves fragrant. Pkt., (25 seeds) 15c.
2500 **Lady Washington (Odier).** Large flowers, beautifully blotched. Pkt., (10 seeds) 50c.

GOMPHRENA (Globe Amaranth) □ 18 in.

A showy annual everlasting with clover-like heads.

2506 **Globosa Alba.**
2509 **—Flesh.**
2510 **—Rubra.** Red.
2515 **Globosa Pink.**
2525 **—Mixed, all colors.**
Each of the above, pkt., 10c; ⅛ oz., 20c.
2520 **Orange.** Blossoms resemble a ripe strawberry in color and markings. Start in sandy soil in gentle bottom heat. Pkt., 15c.



2525 GOMPHRENA Mixed. Pkt., 10c.

2680 GYPSOPHILA Angel's Breath. Pkt., 10c.

GYPSOPHILA □

Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases. 2 ft.

2680 **Elegans Grandiflora Alba (Angel's Breath).** This is an improved large-flowering, pure white, of free, easy growth. Several sowings should be made during the season to keep up a supply. Oz., 30c; ½ oz., 20c; pkt., 10c.

2682 **Elegans Vivid Rose.** ¼ oz., 25c; pkt., 10c.

2683 **—Crimson.** ¼ oz., 25c; pkt., 15c.

2685 **—Rosea.** Soft pink. ¼ oz., 25c; pkt., 10c.

2690 **Muralis.** 6 in. A lovely little rock or edging plant with rose-pink flowers. Pkt., 10c.

HAWKWEED—See Crepis

HELIANTHUS—See Sunflower.

HELIOTROPE ÷

Heliotrope is a universal favorite on account of its delightful fragrance and duration of bloom, flowering equally well as bedding plants in summer, or as pot plants in the house during the winter. Seed sown in the Spring make fine plants for bedding out, and are as easily grown as Verbenas. 2 ft.

2820 **Mammoth Mixed.** Large flowers ranging from dark blue to lilac. Pkt., 15c.

2825 **King of the Blacks.** Deep purple. Pkt., 15c.

2826 **Madam Bruant.** Dwarf variety with violet-blue flowers with white eyes. Very distinct, good for bedding. Pkt., 25c.

2827 **White Lady.** A large flowering pure white variety. Very fragrant. Pkt., 15c.

2830 **Fine Mixed.** Pkt., 10c.

HELIPTERUM

2815 **Sanfordii.** □ 1½ ft. Large heads of bright yellow everlasting flowers. Bloom in 8 to 10 weeks from seed and flower until frost. Pkt. 10c.

2820 HELIOTROPE Mammoth, Mixed. Pkt., 15c.

Helichrysums for Winter Bouquets

Helichrysums are an ornament to the garden when growing, and are everywhere prized for the winter decoration of vases, and for durable bouquets. Flowers for drying should be gathered when partially unfolded and suspended heads downward in a cool place.

2770 **Silver Ball.** 2785 **Rose Queen.**
2775 **Fire Ball.** 2790 **Salmon Queen.**
2780 **Golden Ball.** 2795 **Violet Queen.**

Each of the above, ¼ oz., 30c; pkt., 10c.

2800 **Mixed,** all colors. Pkt., 10c.

2810 **VAUGHAN'S SPECIAL MIXTURE.** This mixture of Helichrysum in an improved large-flowered strain containing many new and exquisite shades. ¼ oz., 25c; pkt., 15c.

2812 **Dwarf Double Mixed.** 1½ ft. A splendid mixture of the dwarf growing varieties. Fine for bedding as it does not need staking. Pkt., 10c.

GRASSES

2670 **Ornamental Mixed.** □ 2 to 5 ft. These are most useful for winter bouquets when combined with Everlasting flowers. They are easily grown in any soil. Pkt., 10c.

Ornamental Grass Collection

235 **Agrostis Nebulosa.** Pkt., 10c.
1150 **Briza Maxima.** Pkt., 10c.
1850 **Coix Lachrymae.** Oz., 10c.
2030 **Cyperus Alternifolius.** Pkt., 10c
2359 **Eragrostis Elegans.** Pkt., 10c.
2848 **Hordeum Jubatum.** Pkt., 15c.
2972 **Lagurus Ovatus.** Pkt., 15c.
3920 **Pennisetum Longistylum.** Pkt., 10c.
3925 **Pennisetum Rueppelianum.** Pkt., 10c.
5654 **Tricholaena Rosea.** Pkt., 10c.
6175 **Zea Japonica Quadricolor Perfecta.** Pkt., 10c.

HELIOPHILA □

A charming new annual from South Africa with dainty pretty blue flowers. Very attractive when grown in masses.

2818 **Linearifolia.** 1 ft. Beautiful racemes of clear blue flowers. Pkt., 25c.

2819 **Leptophylla.** 9 in. Compact habit, flowers bright blue with white eye. Pkt., 25c.

HOLLYHOCKS (Annual) □ 5 ft.

The perennial varieties flower only the second year if grown from seed, these annual kinds, however, bloom the first year, and if sown in the open ground in April, they will be in flower in August, but if started indoors and set out in May, they will bloom in July.

2840 **Everblooming Single Mixed.** Large single flowers, exhibiting every shade known in Hollyhocks. ⅛ oz., 35c.; pkt., 10c

2845 **Everblooming Double Mixed.** Double and semi-double. ⅛ oz., 35c; pkt., 10c.

(For other Hollyhocks see Perennial List.)

HORDEUM

2848 **Jubatum. (Squirrel's Tail Grass)** □ 2 ft. Produces graceful spikes with feathery bristles resembling squirrel's tail. Grow in ordinary soil in clumps or rows in sunny borders. Pkt., 15c.

HONESTY—See Lunaria in Perennial pages.

HYACINTH BEAN—See Dolichos.

HUMULUS (Japanese Hop)

Rapid climber; foliage luxuriant, making a dense covering for verandas, trellises, etc. Heat, drought and insects do not trouble it.

2850 **Green Leaved.** Pkt., 10c.

2855 **Variegated Leaved.** Leaves beautifully variegated white, green and yellow. Pkt., 10c.

HUNNEMANNIA

2860 **Fumariaefolia (Bush Escholtzia, or Santa Barbara Poppy)** □ 1½ ft. Another golden yellow poppy, pleasing both in the border and as a cut flower. The plants grow into shrubby bushes, producing their large cup shaped flowers 3 in. across on stems 12 in. long. The clear yellow petals are broad and crinkled. ¼ oz., 25c; pkt., 10c.

See also novelties.

GAZANIA □

2484 **Longiscapa.** 6 to 8 in. Extremely free flowering. The flowers, 2¼ in. in diameter, are golden yellow with a brown silver spotted zone surrounded by a blackish ring. Of easy culture. Pkt., 15c.

2810 HELICHRYSUM (Strawflowers) Vaughan's Special Mixture. Pkt., 15c.

GLADIOLUS

2540 **Many Varieties Mixed.** 3 ft. This seed is saved from great plantings of fine varieties, including prize winning sorts and rare introductions. Will produce strong bulbs that flower the second year.

2545 **Primulinus Hybrids.** 30 in. Flowers of distinct form and possess the clearest tones and tints of color to be found. The spikes are tall and graceful. 100 seeds, 25c.

GLORY OF THE SUN—See page 81.

GLOXINIA—See page 81.

ICE PLANT

2870 **Mesembryanthemum Crystallinum.** □ 6 in. Foliage glitters, being covered with ice-like globules and prized for garnishing; flowers, small, pinkish-white. A valuable plant for dry, sandy spots on banks, rockwork, old walls and ruins, etc., also for sunny borders. Pkt., 10c.

2871 **Mesembryanthemum Tricolor.** 1 ft. Yellow, blood-red inside, brown anthers. Pkt., 10c.

See also novelties.

IMPATIENS (Zanzibar Balsam) ÷ □ 1½ ft.

One of the prettiest plants for pot culture and also for outdoor planting in a half shaded situation. Remarkable for its long duration of bloom.

2875 **Holstii.** Of rapid, vigorous growth, producing large flowers of salmon-scarlet. Pkt., 15c.

2880 **Holstii Hybrids.** Range from pink through red shades to purplish-violet. Pkt., 15c.

2874 **Liegnitzia.** 10 in. Dwarf, free flowering vermilion. Pkt., 25c.

2881 **Sultani.** Bright rose. Pkt., 15c.

2882 **Sultani Hybrids.** Colors range from pale pink to dark crimson. Pkt., 15c.

2860 HUNNEMANNIA Santa Barbara Poppy. Pkt., 10c.

2925 JAPANESE MORNING GLORY Vaughan's Special Mixture. Pkt., 10c.

2925 **VAUGHAN'S SPECIAL MIXTURE. Japanese Morning Glories.** The colors run from snow-white through all tones of blue, red, and purple. Flowers are streaked, mottled and bordered in wonderful fashion. The leaves are also very handsome; ivy-like and heart-shaped, some are rich green, while others are streaked and marbled with white or yellow. ¼ lb., $1.00; 1 oz.,30c; ½ oz., 20c; pkt., 10c.

2915 **Imperialis (Japanese Morning Glory), Fine Mixed.** The Japanese Morning Glory requires a warm situation to do well. The south side of a wall or building where the plants are protected from the north and west winds will mostly be found beneficial for these vines. 1 lb., $1.50; ¼ lb., 55c; 1 oz., 20c; ½ oz., 15c; pkt., 10c.

2950 **Setosa (Brazilian Morning Glory).** The stems and leaf stalks are covered with reddish-brown hairs. The deeply lobed leaves are about 9 inches across; flowers about 2 inches in diameter, of delicate texture, tinted pink with a five-pointed star of satiny pink, and are followed by curious seed pods. Pkt., 10c.

IMPORTED COLLECTIONS

2883 **Annuals** (18 sorts) in one collection for $1.00.

2884 **Everlasting Flowers** (12 varieties) in one collection for 60c.

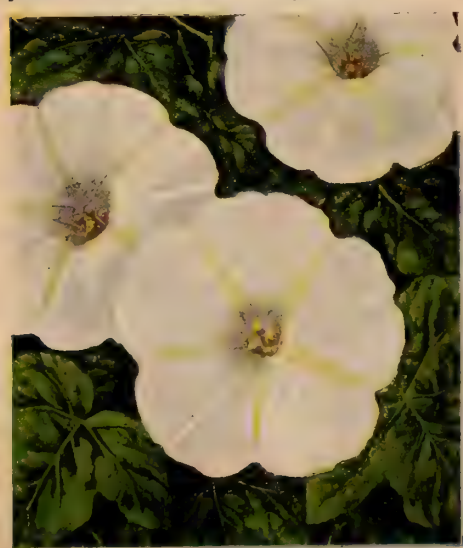
2885 **Ornamental Gourds** (12 small sorts) in one collection for 50c.

2886 **Ornamental Grasses** (12 varieties) in one collection for 50c.

IONOPSIDIUM (Violet Cress)

2890 **Acaule.** □ 3 in. A charming neat-habited plant. The flowers are lilac and white, honey-scented, and borne freely during summer and autumn. Succeeds best in good rich soil in shady positions on the rockery. Pkt., 10c.

JOB'S TEARS—See Coix Lachrymae.



2905 WHITE MOONFLOWER. Pkt., 10c.

Moonflowers and Morning Glories

IPOMOEA □ = 20 ft.

Beautiful rapid annual climbers. Foliage very dense and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

2895 **Bona Nox (Evening Glory).** Violet flowers. Pkt., 10c.

2900 **Coccinea (Star Ipomoea).** Small scarlet flowers in great profusion. Pkt., 10c.

2905 **Mexicana Grandiflora Alba (White Moon Flower).** Covered with large white flowers every evening and cloudy day. Seeds should be started inside. Oz., 50c; pkt., 10c.

2910 **Mexicana Grandiflora, Giant Pink.** Soft lilac-pink flowers. Pkt., 10c.

2945 **Rose Marie.** New double and semi-double free flowering, deep rose pink flower. Pkt., 10c.

2975 LANTANA Hybrida Mixed. Pkt., 10c.

Fragrant Lantanas of Vivid Hue

LANTANA

2975 **Hybrida, Mixed** + 2 ft. Plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer; remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 10c.

2980 **Dwarf Hybrids.** Mixed. Pkt., 15c.

LAGURUS

2972 **Ovatus.** □ **(Hare's Tail Grass)** 8 to 12 in. The plant has somewhat broad leaves and a dense hairy inflorescence resembling a rabbit's tail. Will grow in ordinary soil. Pkt., 15c.

LAVATERA □

The Lavateras or Annual Mallows are showy and effective plants, covered during the entire summer with large gay flowers. For large borders and cutting they are very desirable. 2½ ft.

2985 **Splendens Alba.** Silky, pure white. Pkt., 10c.

2990 **Splendens Rosea.** Bright rose. Pkt., 10c.

2991 **Splendens.** Mixed. Pkt., 10c.

2989 **Sutton's Loveliness.** Bronzy foliage, glowing rose pink flowers. Pkt., 15c.

LAVENDER LACE FLOWER—See Didiscus.

LEUCOCORYNE IXIOIDES—See Greenhouse page.

LYCHNIS—See Perennial pages.

All flower seeds are sent prepaid. We carry in stock the largest and most complete list of flower seeds in America.

2941 MORNING GLORY. Early Flowering Heavenly Blue. Pkt., 25c.

Heavenly Blue Morning Glory

2941 **Heavenly Blue (Early Flowering Rubro Coerulea).** One of the few flowers of true blue and probably finest of all morning glories. Flowers measure 3½ to 4 inches across, deep blue with white throat. They blossom profusely and for a long season, opening in the morning and facing the sun. While many have easy success sowing seed in the open ground, others prefer to sow two seeds in a 3-inch pot indoors in April and by end of May plunge pot in place where they are to bloom. They are then sure to produce many flowers. Use gravelly, sandy soil and give southern exposure. Pkt., 25c.

KAULFUSSIA

2970 **Amelloides.** □ 6 to 12 in. Excellent annual of easy culture, aster-like blue flowers. Pkt., 10c.

JERUSALEM CHERRY—See Solanum.

KISS-ME-OVER-THE-GARDEN-GATE—See Polygonum Orientale.

KOCHIA BURNING BUSH

2965 **Childsii.** □ 2½ ft. It resembles a close-clipped ornamental evergreen. The pyramidal bushes are close and compact and of a pleasing light green. The plant may be grown singly or in the form of a hedge or background and may be clipped to form a perfect hedge, an excellent substitute for boxwood to edge beds. In early autumn the whole bush becomes carmine or blood-red. Flowers small and numerous, but not conspicuous. ½ oz., 15c; pkt., 10c.

KUDZU VINE—See Pueraria.

2965 KOCHIA Childsii (Burning Bush). Pkt., 10c.

Annual Larkspurs of Exquisite Coloring

2170 ANNUAL LARKSPUR Vaughan's Special Mixture. Pkt., 10c.

LARKSPURS are one of the important families of annuals that have been greatly improved by modern breeding methods. Perfectly hardy, they flower quickly from seed sown early in the open, and if the faded blossoms are kept cut will give a long season of bloom. The new pinks are especially fine and with the dark blue varieties furnish a vivid color contrast.

Double Stock-Flowered 3 to 4 ft.

2120 **Dark Blue.**
2121 **Dark Rose.**
2130 **Lilac.**
2135 **Lustrous Carmine (Newport Pink).**
2140 **Sky-Blue.**
2145 **White.**

Each of the above, oz., $1.00; ¼ oz., 30c; pkt., 10c.

2124 **Empress Rose.** A rich pink changing to hermosa pink. It is everblooming. Superbranching Larkspur grows 6 ft. tall. Pkt., 15c.

2129 **La France.** The flowers are a pleasing salmon-pink, very large and double, well-placed on long stems. Pkt., 15c.

2131 **Los Angeles.** A richer color than La France, a shade between salmon and rosy scarlet. Pkt., 15c.

2150 **Stock Flowered Mixed,** all colors. Oz., 60c; ¼ oz., 20c; pkt., 10c.

2160 **Dwarf Rocket Mixed.** 20 in. Pkt., 10c. **Emperor** strain is a dwarf branching double stock flowered variety growing about 24 in. high.

2164 **Pink Delight.** Same charming shade as the Giant Imperial Exquisite Improved. Pink. Pkt., 15c.

2163 **The Empress.** Salmony pink. Pkt., 15c.

2165 **Emperor Mixed.** Produces an abundance of long, slender spikes in the most delicate colors Pkt., 10c; ¼ oz., 25c.

Giant Imperial ☐

These Larkspurs are ideal for cut flowers as the flower stems, three to four feet long, branch from the base of the plants.

2166 **Blue Spire.** Deep Oxford Blue.
2152 **Carmine King.** Deep carmine rose.
2153 **Daintiness.** Delicate lavender.
2126 **Exquisite Pink Improved.** Soft pink shaded salmon.
2169 **Exquisite Rose.** Rose pink.
2154 **Gloria.** Deep rose.
2167 **Lilac Spire.** Lilac.
2136 **Miss California.** Deep pink shaded salmon.
2168 **White Spire.** Dazzling pure white.
2159 **Giant Imperial Mixed.** The above and others.

Any of the above. Pkt., 25c. Any 3 pkts. for 65c.

See also Perennial pages and Novelties.

2170 **VAUGHAN'S SPECIAL MIXTURE OF ANNUAL LARKSPURS.** A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. They should be grown in good rich well-manured soil, and in a full sunny position. The plants, moreover, should be given plenty of room in order to allow them to branch out freely, and make handsome specimens. 1 oz., $1.00; ¼ oz., 30c; pkt., 10c.

LAYIA

2995 **Elegans (Tidy Tips).** ☐ 1 ft. California annual belonging to the Daisy order. A graceful species with hairy glaucous foliage, has fairly large yellow and white flowers. Succeed in rich, light or sandy soil and in a sunny position. Should be grown in groups. Pkt., 10c.

LEPTOSIPHON

3000 **French Hybrids.** ☐ 10 in. Free flowering hardy annuals, useful for edging and rockwork. Plants are thickly studded with charming bright flowers of various colors. Pkt., 10c.

LEPTOSYNE ☐

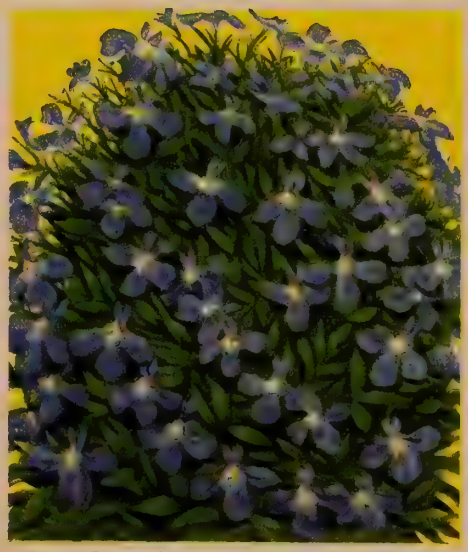
3010 **Stillmani.** 1½ ft. One of the quickest annuals, blooming within five weeks from date of sowing, and the golden yellow cosmos-like flowers continue in perfection for a long period. Excellent for cutting. Pkt., 10c.

3015 **Maritima. (Sea Dahlia.)** 20 in. A cliff plant from California with graceful feathery foliage and large Dahlia-like flowers, yellow witn golden center. Fine for cutting. Treat as a half-hardy annual and give a sunny situation. Pkt., 10c.

LIMNANTHES

3016 **Douglasi (Marsh Flower).** ☐ 6 in. Showy California species bearing white and yellow fragrant flowers in profusion from June to August. Attractive when grown in masses in beds or as edgings to borders Bees like its flowers. Does best in rich, moist soil in partially shaded positions. Pkt., 15c.

3015 LEPTOSYNE, Maritima. Pkt., 10c.



3040 LOBELIA Bedding Queen. Pkt., 10c.

LOBELIA ☐

The compact class form bushy plants fairly sheeted with bloom throughout the season. Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture.

3040 **Bedding Queen.** 4 in. Dwarfest, best for ribbon bedding. Flowers deep purplish-violet, with clear white eye. Pkt., 10c.

3045 **Crystal Palace Compacta.** 4 in. Deepest blue, dark foliage. Pkt., 10c.

3050 **Emperor William.** 4 in. Clear sky-blue with green foliage. Pkt., 10c.

3052 **Gracilis.** 10 in. Light blue. Pkt., 10c.

3055 **Pumila Rosea.** Dwarf pink. Pkt., 10c.

3056 **Pumila Alba. Snowball,** white. Pkt., 10c.

3067 **Tenuior.** 15 in. Upright habit, large flowers of rich cobalt blue with white eye. Pkt., 15c.

3070 **Mixed colors.** ⅛ oz., 15c; pkt., 10c.

Trailing Varieties

The following varieties are especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

3051 **Prima Donna.** 10 in. Velvety crimson. Pkt., 15c.

3060 **Speciosa.** 10 in. Dark blue, dark foliage. Pkt., 10c.

3059 **Royal Purple.** 10 in. Dark foliage and stems, flowers deep navy blue with white eye. Pkt., 10c.

3061 **Hamburgia.** Sky-blue with white eye. Pkt., 10c.

3064 **Miranda.** 10 in. Bright rosy purple, clear white eye. Pkt., 10c.

3065 **Sapphire.** Large, deep blue flowers, with a pure white eye. Pkt., 15c.

LINUM ☐

3019 **Grandiflorum Coeruleum (Blue Flax).** 1½ to 2 ft. Dainty flowers of pale blue. Pkt., 10c.

3020 **Grandiflorum Rubrum (Crimson Flax).** 2 ft. Brilliantly colored summer annuals, glowing crimson-rose. May be had in bloom from May to October by successive sowings. ¼ oz., 25c; pkt., 10c.

LOPHOSPERMUM

3072 **Scandens (Climbing Foxglove).** = ÷ 10 ft. An exceedingly handsome half-hardy climber with large pink flowers. Pkt., 25c.

LINARIAS "BABY SNAPS" ☐

This is a hardy annual with small dainty flowers resembling miniature Snapdragons and in addition each flower has a long Columbine-like spur. It makes a nice cut flower and the clumps form an interesting feature of the annual border. Blooms in about eight weeks from seed. To get the best results seed should be sown thinly, the seedlings thinned out to about 18 inches. 12 to 18 in.

3028 **Chamois.**
3029 **Crimson and Gold.**
3030 **Carmine shades.**
3031 **Golden Gem.**
3032 **Lavender shades.**
3033 **Snow White.**
3034 **Maroccana Hybrida Excelsior, Mixed.** Colors range through crimson and gold, pink, mauve, dark blue and chamois and rose, with many lighter art shades. Each of the above, pkt., 10c; ¼ oz., 25c.

See also Novelties.

3034 LINARIA Maroccana Excelsior, Mixed. Pkt., 10c.

3150 MARIGOLD Vaughan's Special Tall Mixed. Pkt., 10c.

3201 BABY MARIGOLD "GNOME." Pkt., 15c.

3123 MARIGOLD GUINEA GOLD. Pkt., 15c.

Marigolds Play Many Garden Roles

Double Tall Varieties 30 in.

3125 **Eldorado.** Extremely large imbricated double flowers in yellow shades. Pkt., 10c.

3130 **Lemon Queen.** These are lemon color, but the formation of the flower is exactly like the Orange Queen. ⅛ oz., 25c; pkt., 10c.

3135 **Orange Queen.** Large, perfect, double quilled flowers of a rich, deep, golden orange. Very attractive. ⅛ oz., 25c; pkt., 10c.

3136 **Vaughan's Special Mixture** of Tall French varieties. Pkt., 10c.

3144 **French Double Dark Brown.** Pkt., 10c.

3145 **French Double Golden Yellow.** Pkt., 10c.

3146 **French Double Lemon Yellow.** Pkt., 10c.

3147 **French Double Striped.** Pkt., 10c.

3150 **VAUGHAN'S SPECIAL MIXTURE TALL MARIGOLDS.** This mixture includes both the African and French sorts. A packet will give you flowers of enormous size in a wonderful assortment of color, in shades of yellow, cream, orange, rusty brown, old gold, etc. ¼ oz., 20c; pkt., 10c.

3155 **Tall French Striped.** Flowers have a yellow ground, with rich brown markings. Pkt., 15c.

3157 **Tall French Josephine.** Single dark brown with an edging of old gold, and a glint of crimson, with petals of rich velvety texture, borne on long stems. Pkt., 10c.

Double Dwarf African

3160 **Mixed (Pride of the Garden).** 15 in. Immense golden yellow flowers, compact dwarf habit forming dense bushes. Pkt., 10c.

MARIGOLD (Tagetes) □

From midsummer to fall when many other plants are past their prime, Marigolds afford a wealth of color that is invaluable. The tall African varieties produce large self-colored blossoms on long stems; the French flowers are smaller, but the colors and markings are interesting, some of the varieties being striped and spotted. The Marigold dwarf Signata Pumila is one of the best edging plants.

Single Dwarf Varieties

3180 **Gilt Edge.** 8 in. Velvety maroon, edged with yellow. Pkt., 10c.

3185 **Golden Star.** Flowers have golden yellow petals with purple-red streaks radiating from the center. Pkt., 10c.

3190 **Legion of Honor.** 8 in. Flowers rich golden yellow, marked with velvety brown. Best for edging. Pkt., 10c.

3200 **Mexican Marigold (Signata Pumila).** 10 in. A miniature type forming compact plants completely covered with bright yellow flowers with brown stripe down the center of each petal. Very striking for edgings. Pkt., 10c.

3201 **"Gnome."** A dwarf form of Signata Pumila. The plants are more dwarf, even and compact. The pretty orange colored flowers are produced all summer. Plant or thin to 6 inches apart. Pkt., 15c; 2 for 25c.

MORNING GLORY—See Convolvulus and Ipomoea.

MOURNING BRIDE—See Scabiosa.

MUSK PLANT—See Mimulus.

Guinea Gold or Carnation Flowered

3123 This is a distinct type of graceful pyramidal habit, growing 2 to 2½ feet high, and producing 30 to 40 flowers, 2 to 2½ inches across, of a brilliant shade of orange flushed with gold. Unlike the ordinary African Marigold, this new variety produces no single flowers, but practically 100 per cent, semi-double. The characteristic Marigold odor is less pungent. Pkt., 15c; 3 pkts., for 35c.

Lilliput Dwarf Double

Bushy plants covered with small flowers excellent for edging. 8 inches.

3161 **Brown.**
3162 **Golden.**
3163 **Sulphur.**
3163A **Mixed.**

Each of the above. Pkt., 10c.

Dwarf French Double Sorts 10 in.

3164 **Dark Brown.**

3167 **Gold Ball.**

3165 **Gold Striped.** Velvety maroon, striped gold.

3168 **Lemon.**

3166 **Robert Beist.** A new color, a warm shade of shining purple scarlet.

3169 **Yellow spotted Brown.**

3170 **Yellow with Brown Margin.**

Each of the above, packet, 10c.

3175 **VAUGHAN'S SPECIAL MIXTURE OF DWARF MARIGOLDS, DOUBLE AND SINGLE VARIETIES.** These dwarf, compact strains are very attractive, each plant being covered with hundreds of small, bright flowers. ¼ oz., 20c; pkt., 10c.

3105 LUPINUS Tall Annual Mixed. Pkt., 10c.

LUPINUS □

Free flowering, easily grown annuals, with long, graceful spikes, pea-shaped flowers, richly and variously colored. The fine, dark, glossy foliage of the Lupin makes an admirable foil and background for the long blooming spikes of blue, white, yellow and rose; valuable for mixed borders, beds and for cutting; prefers a little shade. 2 ft.

3075 **Hartwegii, White.** Pure white flowers.

3080 **—Oxford Blue.** Dark blue.

3085 **—Cambridge Blue.** Sky blue.

3090 **—Roseus.** Rose colored flowers.

3100 **Subcarnosus (Texas Bluebonnet).** 15 in. Charming bushy plants. The flowers are of a delightful blue, with a distinct heart shaped blotch or eye of deep rosy flesh.

3095 **Annual Yellow.** Beautiful canary yellow. Each of the above, ¼ oz., 30c; pkt., 10c.

3105 **Tall Annual Varieties, Mixed.** 1 oz., 30c; pkt., 10c.

3110 **Dwarf Annual Sorts. Mixed.** 1 ft. Pkt., 10c.

See also Perennials and Novelties

MALOPE (Mallow-Wort) □

Showy plants for large mixed flower and shrubbery borders. The flowers are large and handsome.

3120 **Rosea.** Flowers large, blush, shaded pink toward center. Pkt., 10c.

MARTYNIA □

3211 **Fragrans.** 2 ft. Sweet-scented half-hardy annual with woolly foliage and large mauve flowers. Pkt., 10c.

MATTHIOLA

3212 **Bicornis (Evening-scented Stock).** □ 15 in. Lilac flowers which in the morning, evening and after a shower emit a delicious perfume perceptible at a distance. 1 oz., 30c; pkt., 10c.

MAURANDIA

3215 **Mixed.** □ = 10 ft. Slender grower and abundant bloomer, desirable for greenhouse and garden. Gloxinia-like flowers, ranging through white, rose, blue and purple in color. Pkt., 10c.

3214 **Barclayana.** Blue. Pkt., 15c.

MATRICARIA □

3205 **Capensis Fl. Pl. (Feverfew).** 3 ft. Neat, small, double white flowers, well adapted for borders, beds and cutting. They are perennial, but may be treated as annuals. Pkt., 10c.

3208 **Eximia Golden Ball.** 1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers. Pkt., 10c.

3209 **Eximia Snowball.** 10 in. Profuse blooming bedding plant, double white flowers. Pkt., 10c.

3290 MARVEL OF PERU (Four o' Clocks) Mixed. Pkt., 10c.

MARVEL OF PERU (Four o'Clocks)

This old-fashioned flower of bushy habit bears profusely flowers of white, yellow, crimson and violet. As a hedge plant, its glossy foliage is closely set and dotted all over in the afternoon with a multitude of flowers. It is little known that roots may be lifted in the fall and stored like Dahlias to be replanted in spring. It will result in larger plants, stronger, with more flowers.

3305 **Red.** 3307 **Lilac.**
3306 **Rose.** 3308 **Yellow.**

Each of the above, oz., 30c; pkt., 10c.

3290 **Mixed, all sorts and colors.** ¼ lb., 50c; 1 oz., 15c; pkt., 10c.

3297 **Dwarf Mixed.** 1 ft. Pkt., 10c.

3310 **Sweet-Scented (Longiflora Alba).** 28 in. White. Pkt., 10c.

MELOTHRIA

3220 **Scabra (Musk Vine).** □ = 10 ft. Bears clusters of small, white, and star-shaped flowers with a strong musk fragrance; leaves green, small and glossy. May be cut down to 6 inches after summer's growth, potted and taken inside. Fruit resembles tiny watermelons. Pkt., 10c.

MIMULUS □

3275 **Moschatus (Musk Plant).** 10 in. Trailing plant for damp, shady places. Small yellow flowers. Fine for the rock garden. Pkt., 25c.

3280 **Tigrinus (Monkey Flower) Queen's Prize, Single Mixed.** 1 ft. Dwarf bushy plants, with large Gloxinia-like flowers, ranging through white, pale yellow, golden, flesh, rose, crimson and maroon; handsomely blotched and striped. Does best in partial shade. Pkt., 10c.

MINA LOBATA □

3265 An attractive and free-flowering half-hardy climbing annual; at first the buds are a vivid red, changing to orange-yellow; flowers when fully expanded creamy white. Pkt., 10c.

3245 MIGNONETTE Giant Machet. Pkt., 10c.

3340 MYOSOTIS Alpestris Victoria Blue. Pkt., 10c.

MYOSOTIS (Forget-Me-Not) □

They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. The tall varieties are of trailing habit and adapted to covering large patches, which they transform into a sea of blue. Respond to good treatment and flourish in shady, moist situations. The national flower of Belgium.

3320 **Alpestris Blue.** Trailing habit. Pkt., 10c.

3321 **—Blue Eyes.** The plant is robust growing, and of fine constitution, very floriferous. The color is a telling bright blue, and, when seen in the mass is particularly effective. Pkt., 15c.

3328 **—Indigo (Sutton's Royal Blue).** Pkt., 10c.

3330 **—Rosea.** Pink. Pkt., 10c.

3345 **—Mixed.** ⅛ oz., 25c; pkt., 10c.

3331 **—Messidor.** Large indigo blue flowers on long stems which makes it a good ut-flower variety. Pkt., 25c.

The **Bouquet** type is a compact upright grower of the pillar or column type, blooms so freely the plants are completely smothered with flowers. 1 ft.

3350 **Blue Bouquet.** Royal blue color.

3351 **Indigo Blue Bouquet.** Dark blue flowers.

3352 **Pink Bouquet.** Charming pink shade.

Each of the above, pkt., 25c; or 3 pkts. for 65c.

Victoria 8 in. Dwarf globular plants, completely covered with bloom, best variety for borders and pots.

3340 **Victoria Azure Blue,** with yellow center.

3341 **—Indigo Blue.**

3342 **—Rose.**

Each of the above 3 varieties ⅛ oz., 50c; pkt., 10c.

For other Myosotis, see Perennial and Novelty pages.

MIGNONETTE (Reseda) □

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting and combining in bouquets with other more pretentious blossoms lacking its delicate odor.

3224 **The Ball.** Flowers are closely set on long spikes. It is lighter and a more attractive color and two to three weeks earlier than other varieties. Pkt., 25c.

3225 **Bismarck.** 1 ft. The red flowers are larger in every way than those of other sorts, the spikes dense, foliage crinkly, while its powerful fragrance is delicious. Pkt., 10c.

3230 **Golden Queen.** 16 in. Yellow. Pkt., 10c.

3235 **Goliath.** 12 in. Foliage rich green, with bright red flowers, spikes often 7 inches long by 2 inches in diameter. Pkt., 10c.

3234 **Golden Goliath.** A grand novelty with deep golden yellow flowers. Pkt., 15c.

3236 **Giant Rocket.** 2 ft. The largest and most robust variety. The flowers are wonderfully fragrant and many plants carry 50 to 60 spikes of bloom, each 14 to 18 inches long. Pkt., 15c.

3245 **Machet.** 15 in. It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. ¼ oz., 25c; pkt., 10c.

3260 **Mixed.** Many shades and types. Pkt., 10c. ½ oz. 25c.

Duluth, Minn.
"I would like to add that I have had very good success with your seeds and took several prizes from flowers which I grew from them."
Mrs. C. E. M.

3420 NIGELLA Miss Jekyll, Pkt., 10c; ½ oz., 25c.

NIGELLA □

3415 **Mixed (Love-in-the-Mist).** A compact, free-flowering plant with finely cut foliage, curious-looking seed pods; of easy culture, growing in any garden soil. Blue and white mixed. 18 in. Pkt., 10c.

3420 **Miss Jekyll.** A lovely variety, bearing on long stems, large semi-double flowers of a lovely tender cornflower-blue, nestling in fine feathery foliage. ½ oz., 25c; pkt., 10c.

3421 **Miss Jekyll Dark Blue.** Pkt., 10c; ¼ oz., 25c.

3422 **Miss Jekyll White.** Pkt., 10c; ¼ oz., 25c.

MIMOSA

3270 **Pudica (Sensitive Plant).** □ 1 ft. A pretty and curious foliage plant with leaves like those of the Acacia. They are very sensitive and close up immediately if touched or shaken. Pinkish white flowers. Pkt., 10c.

MUSA

3315 **Ensete (Banana Plant)** + 6 ft. A splendid foliage plant for the open air in summer, producing a most striking effect when planted singly or in groups. Pour boiling water over the seeds; take them out of this water after 24 hours and sow at once in sand. Give some bottom heat and cover with sand about ¼ to ½ inch. The seed germinates irregularly in two to four weeks. 10 seeds, 20c.

NEMOPHILA (Baby Eyes) □

Hardiest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out-of-doors in spring, in patches, where they are to flower. 6 inches.

3376 **Insignis Blue.** A popular plant for pots or borders. Pkt., 10c; oz., 50c.

3380 **Mixed, all colors.** Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. Pkt., 10c; oz., 40c.

3390 NICOTIANA Affinis. See page 52. Pkt., 10c.

New Nasturtium Golden Gleam

NASTURTIUMS will really grow on soils incapable of supporting any other plants, and are most useful on dry, sandy, or gravelly banks. In very dry seasons the Tall sorts have a tendency not to run on a poor soil, and if a trellis is to be covered quickly the plants should be encouraged by watering in the early stages of growth; in wet seasons the Dwarfs have a tendency to run and to produce more leaves than flowers, and they should therefore be sown on as poor a soil as possible.

3735 NASTURTIUM Golden Gleam. Pkt., 10c.

3735 Nasturtium Golden Gleam

This plant forms a vigorous, large bush, which throws out runners, averaging eighteen inches. Flowering begins as soon as the plant nears complete development, and at the time it is in full bloom the entire plant, including runners, is a blaze of color. The large, golden-yellow semi-double flowers average two and one-half to three inches across. They are borne on erect, stiff stems six inches in length. Consequently the flowers stand well above the foliage, an arrangement which adds immeasurably to the showy appearance of the plant.

When well grown these flowers have the appearance of a double flower, and are most attractive. An ordinary sized bouquet, when allowed to remain in a room for a short period of time will fill the room with musk-like fragrance. Heretofore Double Nasturtiums have been only propagated by cuttings. In the Fall, before frost, the plants can be cut back and potted for use in the conservatory. In fact, Golden Gleam should prove as useful in the conservatory as in the garden. Pkt., (20 seeds) 10c; 100 seeds, 40c.

Tall Sorts

3585 **Dunnett's Orange.** Bright orange.

3640 **Emperor of India.** Very dark foliage. Rich deep scarlet flowers. The best red.

3665 **Variegated-Leaved Varieties. Many colors mixed.** Very showy flowers. Leaves light green, beautifully marbled and blotched with white. Each of above, pkt., 10c; oz , 20c.

Dwarf Sorts 1 ft.

3480 **Empress of India.** Very dark leaves, crimson.

3540 **Golden Cloth.** The foliage is of bright yellow, while the flowers are intense scarlet.

3485 **Golden King.** Pure golden yellow.

3490 **King of Tom Thumbs.** Intense deep scarlet, dark foliage.

3495 **King Theodore.** Deep red flower, dark foliage

3500 **Laciniatum Mixed.** The flowers are deeply laciniated and appear in many attractive colors.

3520 **Ruby King.** Ruby-red, dark-leaved.

3550 **Spencer, Mixed.** Curly foliage and flowers in many bright colors.

3555 **Variegated-Leaved, Mixed.**

3530 **Vesuvius.** Salmon dark-leaved.

Price, any of above dwarf sorts, pkt., 10c; oz., 20c.

3745 Vaughan's Special Mixture of Tall Nasturtiums

In this will be found all the choicest colors of all the Tall Nasturtiums, the rich, velvety Lobb's varieties, Canary Bird Creeper and the variegated-leaved varieties. 1 lb., $1.50; ¼ lb., 40c; 1 oz., 15c; pkt., 10c.

Combination Offer O55

1 oz. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 25c.

3570 Vaughan's Special Mixture of Dwarf Nasturtiums

This mixture is put up by ourselves from named sorts, and contains a large share of the Lilliput and the dwarf Chameleon, which have the richest and most varied combination of colors.
1 lb., $1.50; ¼ lb., 45c; 1 oz., 15c; pkt., 10c.

Combination Offer P55

1 pkt. each Nasturtium, Vaughan's Special Tall and Dwarf Mixture, 15c.

NOLANA

3385 **Mixed** □ 6 in. (Chilean Bell Flower). Dwarf plant for sunny rockeries or borders, needs good light soil. Flowers bell shaped in various colors. Pkt., 10c.

NIGHT SCENTED STOCK—See Matthiola Bicornis.

3360 NEMESIA Large Flowered Mixed. Pkt., 25c.

NICANDRA □

3389 **Apple of Peru or Shoofly Plant.** A strong spreading annual, 3-4 ft. high, grown for showy blue flowers and odd fruits. An old-fashioned flower now rarely seen. Pkt., 10c.

NIEREMBERGIA

3410 **Gracilis** □ 6 in. Flowers white, shading to and veined lavender, an exceedingly graceful plant for hanging baskets, rockwork, etc. Pkt., 10c.

NEMESIA □

This is one of the dwarf annuals which make pleasing masses of low growth for foreground beds, and edging. The orchid-like flowers, which are often three quarters of an inch across, are varied in color, ranging from rose, yellow orange and blue.

3360 **LARGE FLOWERED MIXED.** 1 ft. Is the finest strain of the most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors. Pkt., 25c.

3372 **Large Flowered, Orange.** Pkt., 20c.

3373 **Large Flowered, Rose.** Pkt., 20c.

3361 **Large-Flowering Dwarf, Aurora.** 8 inches. Upper petals are dazzling turkey-red and the lower ones milk-white. Pkt., 25c.

3365 **Blue Gem. Dwarf.** 7 inches. One of the best blue annuals for bedding. Pkt., 15c.

3362 **Fire King. Dwarf.** Bright red Pkt., 25c.

3363 **Orange King. Dwarf.** Brilliant orange. Pkt., 25c.

NYCTERINIA

3430 **Capensis** □ 9 in. Charming little plants for pots, edgings and rockwork, flowers opening at night. White with maroon, fragrant. Pkt., 10c.

3393 NICOTIANA Affinis Crimson Bedder. Pkt., 25c.

NICOTIANA
Sweet-Scented Tobacco Plant □

One of the easiest annuals to raise and one of the most fragrant. The blossoms are not unlike a Petunia blossom, but with a longer tube. They open toward evening and emit a powerful perfume. 2 ft.

3393 **CRIMSON BEDDER.** A new dwarf strain, about 15 in. high, admirably suited for bedding purposes, and also for pots in the green-house. The flowers are of a rich deep crimson, freely produced, and make a striking effect. Pkt., 25c.

3390 **Affinis** Most showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. The plants are of branching, bushy habit, carrying their flowers in clusters. ⅛ oz., 25c; pkt., 10c.

3392 **Affinis Hybrids.** Splendid hybrids in blue, red and rose shades. Pkt., 10c.

3395 **Sanderae.** A hybrid, branching habit, bearing on light, graceful stems, quantities of rosy carmine flowers. Pkt., 10c.

3396 **Sanderae Crimson King.** Dark velvety crimson-red flowers. Pkt., 10c.

3397 **Sanderae Hybrids.** All shades. Pkt., 10c.

3405 **Sylvestris,** 4 ft. Pyramidal habit, with long, tubular, pure white flowers, borne in dense panicles. Pkt., 10c.

PENTSTEMON (Beard Tongue) □

3926 **SENSATION MIXTURE.** Although this is a perennial it can easily be grown as an annual. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. 2 ft. Pkt., 25c.

3927 **Sensation Red Shades.** Produces large handsome stalks of gloxinia-like flowers often 2 in. across and in dazzling red shades. Pkt., 25c.

3928 **Sensation Pink Shades.** Charming selection of various shades of pink. Pkt., 25c.

3929 **Sensation Violet Shades.** Pkt., 25c.

See Perennial pages for other varieties.

3926 PENTSTEMON Sensation. Pkt., 25c.

VAUGHAN'S IMPROVED SWISS GIANTS

Pansies

PANSIES, garden favorites since Shakespeare's time, have been marvelously improved. One may select from the strains listed below for whatever quality he may prefer—for size, color, or free blooming—in some cases finding all three combined. In the Swiss Giants and Maple Leaf Giants, a size has been attained which not long ago would have been incredible, and both bear freely late into the summer. To have a bed of pansies one must start the seed in the house in early spring and transplant when danger of frost is over, or else plant in fall in cold frame and winter over. Seeds may also be sown in spring out-of-doors for late summer and fall flowering. They like a cold, moist situation, and endure light shade in summer.

Vaughan's Improved Swiss Giant

3890 Several years ago we discovered and introduced this variety which created a sensation at once. The flowers are gigantic size, perfectly round, fine substance of flower and good form of plant, and exhibit shades previously unknown in this family. They bloom early in the spring, continuing in flower all summer until late in fall. Pkt., 50c; 1/16 oz., 90c; 1/8 oz., $1.50; 1/4 oz., $2.75; 1 oz., $10.00.

3892 **Swiss Alpenglow** (Crimson Queen). Rich cardinal and garnet shades. Vivid and attractive. Pkt., (250 seeds) 35c.

3896 **Swiss Berna.** Dark violet blue. Pkt., (250 seeds) 35c.

3891 **Swiss Blue. (Ullswater) (Thuner Sea).** A solid blue flower with a blue black center. Pkt., (250 seeds) 35c.

3897 **SWISS LUNA.** Soft sulphur yellow self, round substantial flower with frilled edge. This is a lovely variety. Pkt., (200 seeds) 50c.

3898 **Swiss Ophir.** Deep golden yellow, large blotched. Pkt., (250 seeds) 35c.

3893 **Swiss Yellow.** Rich yellow with blotches on the three lower petals. Pkt., (250 seeds) 35c.

3899 **Swiss Pure Yellow.** Pkt., (250 seeds) 35c.

See also Novelties.

3880 **VAUGHAN'S INTERNATIONAL MIXTURE.** A mixture of special strains such as Bugnot, Masterpiece, Swiss Giants, Triumph of the Giants and Mammoth Exhibition. Flowers of largest size and great substance in the most varied colors and color combinations. Since this mixture contains but very few self-colors, such as white, blue and yellow, these should be ordered separately if desired. 3 pkts., (600 seeds) for 65c; 5 pkts., (1000 seeds) for $1.00; 1/8 oz., $1.50; pkt., (200 seeds) for 25c.

GIANT SORTS

3750 **Adonis.** Light blue with white margin. 1/8 oz., 35c; pkt., 10c.

3756 **Azure Blue.** Sky-blue. 1/8 oz., 35c; pkt., 10c.

3859 **Beaconsfield.** Upper petals almost white, lower ones a deep rich purple. 1/8 oz., 35c; pkt., 10c.

3862 **Early Flowering Blue Boy.** A clear, pure, silver-lilac, blossoms are medium size. Pkt., 25c.

3766 **Cardinal.** Brilliant red. Pkt., 10c.

3771 **Coal Black.** A jet black. 1/8 oz., 35c; pkt., 10c.

3776 **Delft Blue.** A delightful shade of a translucent blue of good size and substance. Pkt., 35c.

3779 **Emperor William.** Dark navy blue. Pkt., 10c.

3785 **Mad. Perret.** Lovely shades of pink. Pkt., 10c.

3825 **Mrs. Pierre S. du Pont.** Rich, pure golden apricot, blushed with salmon. Medium size, long stems, petals of fine substance and perfectly placed. Pkt., (150 seeds) 50c.

3819 **Purple.** Rich deep purple. 1/8 oz., 35c; pkt., 10c.

3822 **Prince Henry.** Darkest blue. Pkt., 10c.

3823 **Purple Crown.** This new giant flowered variety is superior to other strains by its remarkably strong growth. The plants grow about 1 ft. high, forming strong bushes, with bright green leaves. The flowers are borne on long, strong stalks and are of great size and substance. Color a deep purple-violet. Pkt., 25c.

3829 **Rembrandt.** Compact habit of plant, long stemmed, five blotched, vivid bronze-orange of the Bugnot type. Pkt., 25c.

3830 **Ruby Red.** 1/8 oz., 35c; pkt., 10c.

3832 **St. Knud.** Orange. Pkt., 25c.

3851 **Pure White.** 1/8 oz., 35c; pkt., 10c.

3857 **Pure Yellow.** 1/8 oz., 35c; pkt., 10c.

3875 **VAUGHAN'S GIANT MIXTURE.** Besides a good share of the "Fancy" strains such as Masterpiece, Bugnot, Cassier, etc., this mixture contains all the self-colors, such as white, yellow, blue, purple, red, bronze, etc., and is probably the best "general" high-grade mixture obtainable. All the flowers are of the "Giant" type and of good shape and texture. 1/8 oz., $1.00; 1 pkt., (250 seeds) 25c; 1 pkt., (125 seeds) 15c.

SPECIAL MIXTURES

3760 **Boulogne Giant Mixture.** The flowers are large, of great substance, fine form and are borne on particularly strong stems. They are mostly 3- and 5-blotched, delicately veined, rich color. 1/16 oz., $2.00; 125 seeds, 50c.

3765 **Bugnot.** Very beautiful class. Large flowers with broad blotches, many having the two upper petals finely lined; handsomest and rarest colors, mostly dark shades. 1/8 oz., 50c; pkt., 20c.

3793 **Masterpiece (Frilled Pansy).** A remarkable type, each petal being conspicuously curled or waved. Color range extensive rich dark, velvety shades predominating. 1/8 oz., 50c; pkt., 25c.

3842 **Mammoth Exhibition.** A sturdy grower and has a short habit and large leaves; in consequence the plant remains in good condition all summer. The flowers are round, solid, of gigantic size, and the most bewitching color range and variation. Pkt., (200 seeds) 50c.

3808 **Orchid Flowered Mixed.** Rare light shades, large frilled flowers, very attractive. Pkt., 10c.

3795 **Oregon Giants.** A strain of giant ruffled Pansies made by an American fancier. Seed from the introducer. Pkt., 50c.

3876 **Vaughan's Perfection Mixed.** Large, well shaped of beautiful coloring, uniform quality, free blooming and the delight of many north shore gardeners. 125 seeds, 50c; 1/8 oz., $4.00.

3840 **Trimardeau Mixture.** It has a complete color range, but lacks the new varieties which can only be had in our Vaughan's Giant and International Mixtures. 1/8 oz., 35c; pkt., 10c.

3861 **Early Flowering Giant Mixed.** This strain will bloom about three weeks earlier than any other. It has not a complete color range, only twelve distinct tones being represented, but is valued because of its early blooming. 1/8 oz., 35c; pkt., 10c.

3870 **Chicago Parks Bedding Mixed.** Great diversity of colors, free-flowering, blossoms slightly smaller than the Giant sorts. 1/4 oz., 50c; 1/8 oz., 25c; pkt., 10c.

The Modern Petunias

GREATLY improved by the plant breeders, petunias are constantly advancing in importance in our gardens and decorations. Their great merit is constant and prolific flower production from early summer until frost cuts them down. They have been vastly improved in coloring, giving us some of the finest pink and blue tones obtainable; while the large flowering single and double varieties produce flowers of a size and exquisite beauty seldom equaled. For solid beds, ribbon planting, groups in borders, in flagged walks and terraces or for porch and window boxes they serve well. They like the full sun.

Large Single Flowering Varieties

The flowers of this type average 3 to 4 inches across.

4045 **Brilliant Rose Fringed.** Pkt., (150 seeds) 25c.
4061 **Coerulea.** Fringed delicate blue, veined with dark blue. Pkt., 50c.
4068 **Fimbriata Miranda.** Deep carmine, scarlet throat, boldly waved and frilled, the best brilliant red petunia. Pkt., 50c.
4051 **Dwarf Pink Glory.** The color is pure flame-rose pink. The flowers are slightly ruffled. Pkt., 35c.
4072 **Romany Lass.** The color is a clear bright velvety blood-red with purple throat, striped in black. Pkt., 50c.
4055 **Royal Purple.** Rich velvety color. Pkt., (150 seeds) 20c.
4052 **Silver Edge Purple Robe.** A superb deep velvety violet—enhanced by a fine silver line usually appearing at the edge of the flower. Pkt., 50c.
4054 **Triumph Pink.** Large flowers, beautifully ruffled, bright pink. Pkt., 35c.
4046 **Venosa.** Blue veins on light blue. Pkt., 50c.
4067 **White Cloud.** Fine compact bushes only 12 inches high, richly covered with pure white blooms 3 to 3½ inches in diameter. Pkt., 35c.
4060 **Large Flowering Fringed Mixed.** A superb strain of elegant, finely fringed flowers, in remarkable variety of color. Pkt., (350 seeds) 25c.

Single Giant Flowering Varieties

The flowers of this strain average 5 to 7 inches across.

4071 **Copper-Rose.** Enormous flowers with a dark throat, deeply veined, 150 seeds, 25c.
4070 **Giant Empress.** Lilac blue with purple veins. Pkt., (150 seeds) 25c.
4090 **Giant Black Prince.** Darkest. Pkt., (150 seeds) 25c.
4064 **Giant Lavender Blue.** A most delightful and distinct color hitherto missing in this type. Pkt., 50c.
4075 **Giant White.** Yellow throat, 150 seeds, 25c.
4085 **Giant Rose.** Ruffled veined, black. Pkt., (150 seeds) 25c.
4081 **King Alphonso.** Very dark crimson, black throated, boldly waved and fringed petals. Pkt., (150 seeds) 25c.
4062 **Theodosia.** Fringed rosy pink with a clearly defined golden center with minute stripes. Pkt., 50c.
4065 **Giants of California Mixed.** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. Pkt., (350 seeds) 25c.
4095 **Triumph of the Giants.** The finest strain of single large-flowering Petunias; some of its colors cannot be found in any other mixture and nearly all the flowers are veined in contrasting colors. Pkt., (250 seeds) 35c.
4069 **Ruffled Giants.** The charm of these is difficult to describe. There are so many bewitching shades of color in the gigantic ruffled flowers it is a continual joy to see the flowers unfold and develop. Pkt., 50c.
4100 **VAUGHAN'S BEST MIXTURE LARGE FLOWERING SINGLE PETUNIAS.** This mixture is made by ourselves and includes, besides the Giant Ruffled, all the colors of the large flowering and fringed sorts, and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. Pkt., (300 seeds) 25c.

Portland Petunias

4056 **Pride of Portland.** Deep rose fringed.
4057 **Scarlet Beauty.** Scarlet fringed.
4058 **Elk's Pride.** Plain, edged black-purple.
4059 **White Beauty.** Fringed, pure white.
} Price each, pkt., 25c.

Petunias Giants of California and Dwarf Giants of California

Balcony Varieties

Single large flowering sorts, trailing habit.

4030 **Balcony Queen.** Rich, velvety violet with white blotches.
4035 **Balcony White.**
4040 **Balcony Blue.** Rich, velvety violet.
4034 **Balcony Red.** 4041 **Balcony Rose.**
4042 **Balcony Mixed.** Above five varieties.
Each of the above, pkt., (200 seeds) 25c.

Blue Bird and Heavenly Blue

Double Large Flowering Varieties

3935 **VAUGHAN'S MIXTURE OF DOUBLE PETUNIAS.** This is a mixture of the best large flowering and fringed double petunias. Of course, only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 60 to 80 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as those invariably produce the finest double flowers. Pkt., (200 seeds) 50c.
3940 **Lady of the Lake.** Double white, fringed.
3943 **Double Heliotrope.** 3952 **Double Mixed.**
3949 **Double Rose.** Fringed. 3946 **Double Red.**
Each of the above, pkt., (125 seeds) 25c.
3955 **Double Small Flowered Mixed.** The flowers of this strain are smaller than those of the above types, but they are produced in greater profusion. Pkt., (300 seeds) 25c.
3953 **Double Rosy Morn.** Medium-sized flower semi-double with heavy petals folding back from center of a lovely rose color. It resembles a Gardenia in shape. Pkt., (250 seeds) 50c.

Single Small Flowering Varieties

3958 **Alba.** Pure white.
3963 **Adonis.** Carmine rose.
3965 **Countess of Ellesmere.** Rose with white throat.
3970 **General Dodds.** Blood-red.
3981 **Golden Rose.** Brilliant rose, yellow throat.
3975 **Howard's Star Improved.** Crimson-maroon with a clearly defined star of blushing white.
3985 **Sutton's Blue Bedder.** A very free flowering single variety with rich colored flowers which make a most effective bed. Pkt., 25c.
3990 **Violacea** (Violet Blue). 18 in. Same shade as Blue Bird but taller. Pkt., 25c.
Each of the above, except noted otherwise, pkt., 10c.
3995 **Finest Mixed.** ⅛ oz., 25c; pkt., 10c.

Single Dwarf Small Flowering Varieties

3997 **Alderman.** Beautiful dark violet. Pkt., 15c.
3998 **Blue Bird.** Color deep velvety violet-blue. ⅛ oz., $1.00; pkt., 25c.
3999 **Cockatoo.** The flowers are a velvety deep violet-purple with irregular sized white spots and stars which give to the plant and bed an extraordinarily gay and vivid appearance. Varies. Pkt., 25c.
4000 **Carmen Sylva.** Baby blue with white throat. Pkt., 10c.
4002 **Crimson.** Pkt., 10c.
4001 **Heavenly Blue.** A silvery light blue. Varies about 10% in shade. This was the variety planted in front of the Sears Roebuck building at A Century of Progress. Pkt., 35c.
4005 **Improved Rosy Morn.** Clear pink with a broad white throat. Oz., $3.00; ⅛ oz., 50c; pkt., 15c.
4010 **Norma.** Blue with white star. Pkt., 10c.
4015 **Dwarf Inimitable.** Regular white stars on deep old rose ground. Pkt., 10c.
4018 **Rose of Heaven.** Rich brilliant rose, with inconspicuous white throat, darker than Rosy Morn. Pkt., 15c; ⅛ oz., 35c; oz., $2.00.
4019 **Senator.** Purple with white throat. Pkt., 10c.
4020 **Snowball.** Pure satiny white. Pkt., 15c.
4025 **VAUGHAN'S SPECIAL MIXTURE OF DWARF SMALL FLOWERING VARIETIES** includes all the varities listed and many others and will be a revelation to those who plant a packet in furnishing an unending supply of flowers in a most bewildering combination of colors as long as the summer lasts. ⅛ oz., 40c; pkt., 10c.

SPECIAL OFFER

4004 1 pkt. each, Petunia Blue Bird and Heavenly Blue as illustrated for 50c.

4018 PETUNIA Rose of Heaven. Pkt., 15c.

PENNISETUM (Fountain Grass) ☐ 2½ ft.

Tender ornamental grasses, valuable either as individual specimens in the garden or for massing, while as for border plants for beds of Cannas or Caladiums nothing equals them.

3920 **Longistylum.** Extremely graceful greenish white plumes. Pkt., 10c.

3925 **Rueppelianum.** (Purple Fountain Grass) graceful green foliage and purplish plumes. Pkt., 10c.

PERILLA

3930 **Nankinensis.** ☐ 1½ ft. Valuable foliage plant, resembling Coleus, dark mulberry-colored leaves. This does especially well in cities as it is not affected by smoke or gas. Seed germinates slowly. Used largely in the gardens of St. Mary's of the Lake Seminary, Mundelein, Ill. Pkt., 10c.

PLUMBAGO—See page 81.
ORNAMENTAL GRASSES—See page 47.
POINCIANA—See page 81.
PRIMULA—See pages 81.

PHACELIA ☐

4101 **Campanularia.** 8 in. Produces terminal racemes of gentian-blue flowers with conspicuous white anthers; effective for edgings, etc., and a charming pot-plant. One of the earliest annuals and blooms a long time. ⅛ oz., 25c; pkt., 15c.

4102 **Tanacetifolia.** 18 in. Large compact head of pale mauve flowers. Valuable bee plant. Pkt., 10c.

POLYGONUM

4232 **Orientale.** ☐ 7 ft. **Kiss-me-over-the-Garden-Gate.** Old fashioned tall growing plant with clusters of small bright pink flowers at the summit of the branches. Pkt., 10c.

PYRETHRUM (Foliage Plant)

4515 **Aureum Golden Feather.** ☐ 6 in. One of the best plants for edging, grown for its beautiful yellow foliage. Pkt., 10c.

PYRETHRUM ROSEUM—See Perennial Pages.

4101 PHACELIA Campanularia. Pkt., 15c.

OENOTHERA (Evening Primrose) ☐ ½ to 2 ft.

Showy and beautiful plants for borders, beds, etc. flowering from June to Sept. Plant in fairly dry soil containing plenty of lime.

3439 **Lamarckiana.** Large flowered yellow. A biennial which blooms first year from seed. Pkt., 10c.

3435 **Mixed.** Neat plants, with large, saucer-shaped flowers, white or golden yellow; open at dusk; emit delightful perfume. Pkt., 10c.

For other varieties—see Perennial pages.

OXALIS ☐

3444 **Cloth of Gold.** 1 ft. A charming specie with deep golden-yellow flowers produced with such freedom in the latter part of the season as to completely hide the bright green foliage. Pkt., 25c.

3445 **Rosea.** An excellent little plant for edging or rock garden. Blooms all summer in profusion; flowers dark rose and delicate pink. Pkt., 25c.

3450 **Tropaeoloides.** 3 in. Yellow flowers, rich brown foliage. For rock gardens. Pkt., 10c.

PASSIFLORA

3910 **Coerulea Grandiflora (Passion Flower).** ÷ = 15 ft **Southern Beauty.** A beautiful vine for greenhouse and window. Few effects are more charming than the Blue Passion Flower covering a greenhouse wall with its rich green foliage and sky-blue flowers, followed later by an abundance of handsome fruit. Pkt., 10c.

4067 PETUNIA White Cloud. Best Dwarf White. Pkt., 35c.

Showy Annual Phlox

ONE of the easiest of annuals to grow, the annual phlox of modern strains cannot be surpassed in their clear, vivid coloring, and variety of tones. All colors of the rainbow can be reproduced in their globular flower heads, borne on strong stems, which in a properly planted bed will form a sheet of color. Seed may be sown in the open as soon as frost danger has passed and flowers will appear in a few weeks. If faded flowers are removed they bloom until late frost. 12 inch.

Grandiflora Varieties ☐

This section has beautiful, round-petaled flowers, which overlap each other.

4105 **Alba.** Pure white.
4107 **Alba Oculata.** White with dark eye.
4110 **Atro-purpurea.** Black-brown.
4113 **Brilliant.** Rose with dark eye.
4115 **Carnea.** Flesh color.
4120 **Chamois Rose.**
4125 **Coccinea.** Fiery scarlet.
4130 **Coerulea Striata.** Blue-striped.
4137 **Dark Blue.** True blue.
4140 **Isabellina.** Yellow.
4145 **Kermesina Splendens.** Crimson, white eye.
4146 **Leopoldi.** Rose with white eye.
4150 **Gold Star.** Pink with gold star.
4155 **Rosea.** Pink.
4156 **Stellata Splendens.** Scarlet with white eye.
4160 **Violet.** With white eye.
Any the above, ⅛ oz., 30c; pkt., 10c.
4165 **Splendid Mixture (mixed only).** 1 oz., $1.25; ¼ oz., 35c; pkt., 10c.
4175 **Cuspidata or Star Mixed.** Quaint and unusual flower formation. ¾ oz., 40c; pkt., 10c.
4180 **Semi-Double Varieties Mixed.** In sandy soil the flowers are more double. Pkt., 15c.

4220 VAUGHAN'S SPECIAL MIXTURE ANNUAL PHLOX

Contains all the varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. 1 oz., $1.60; ¼ oz., 50c; ⅛ oz., 30c; pkt., 15c.

Nana Compacta Dwarf

These are much superior to the other Phlox for ribbon bedding or borders. The plants grow very symmetrical in neat, little bushes, covered with flowers during the whole summer and fall. 8 in.

4182 **Apricot.** Yellow.
4183 **Fireball.** Blood-red.
4187 **Delicata or Old Rose.**
4189 **Snowball.** Pure white.
4192 **Isabellina.** Yellow.
4195 **Sky-blue with White Eye**
4200 **Salmon Pink.**
4201 **Mirabilis.** Salmon-pink with white eye.
4203 **Violet.** Each of the above, pkt., 15c.
4205 **Nana Compacta.** Mixed, all colors. ⅛ oz. (mixed only), 40c; pkt., 10c.

Key to Picture
1 Isabellina
2 Leopoldi
3 Gold Star
4 Chamois Rose
5 Dark Blue
6 Stellata Splendens
7 Fiery Scarlet
8 Carnea (Flesh)
9 White with dark eye

4225 1 pkt. each of 9 varieties illustrated, 60c.

4210 **Cecily.** Mixed, all colors. Flowers immense, coloring bright and nearly all blossoms display a white eye. ⅛ oz., 50c; pkt., 15c.

Annual Phlox varieties, painted by Winifred Walker the famous English artist. On the left is key showing the varieties illustrated.

HARDY PHLOX—See Perennial pages.

4285 POPPY Shirley. Pkt., 10c; oz., 30c.

4277 Poppy American Legion. Pkt., 15c.

Poppies of Pastel Tones

Sow them early—since they defy frosts,—and where they are to bloom, as they dislike transplanting. They flower in a few weeks from seed. Successive sowings should be made to provide continuous flowering.

Single Annual Poppies

CALIFORNIA POPPY—See Escholtzia.

4241 **Danebrog or Danish Flag.** 36 in. Brilliant scarlet flowers, with a silvery spot on each petal, forming a white cross. Pkt., 10c.

4245 **Flanders Poppy.** 30 in. Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Sow with Centaurea Cyanus Double Blue. ½ oz., 25c; 1 oz., 40c; ¼ lb., $1.25; pkt., 10c.

4255 **King Edward.** 36 in. Flowers deep scarlet, shaded crimson, with a large black blotch at the base of each petal. Pkt., 10c.

4270 **Tulip (Glaucum).** 20 in. Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Pkt., 10c.

4305 **VAUGHAN'S SPECIAL MIXTURE SINGLE POPPIES.** This mixture includes all the choice single listed Poppies and many other kinds not listed. It is really extra choice. ¼ lb., $1.25; 2 oz., 75c; 1 oz., 40c; ½ oz., 25c; pkt., 10c.

Double Annual Poppies

4315 **American Flag.** Flowers very large, snow-white, scarlet bordered. Pkt., 10c.

GIANT DOUBLE

4325 **Pure White.** 4338 **Cardinal Red.**
4330 **Pale Yellow.** 4345 **Salmon.**
4335 **Pink.** 4350 **Heliotrope.**
Each of the above, pkt., 10c.

4355 **Mikado.** 28 in. Flowers white at base, shading off to pink and rose, with elegantly curled petals, like Japanese Chrysanthemum. Pkt., 10c.

4360 **Scarlet King.** Pkt., 10c.

4365 **White Swan.** Fringed double-white. Pkt., 10c.

4368 **Double Shirley.** Beautiful double satiny flowers in shades of white, pink and old rose with white center. Pkt., 10c.

4375 **Carnation-Flowered Mixture of Double Poppies.** Large flowers with fringed petals many striped. Oz., 30c; ½ oz., 20c; pkt., 10c.

4380 **Peony-Flowered Mixture.** Double ball-shaped flowers with plain edges of gigantic size. Oz., 30c; ½ oz., 20c; pkt., 10c.

4390 **VAUGHAN'S SPECIAL MIXTURE DOUBLE POPPIES.** This includes all the double sorts, and will produce charming flowers in an endless variety of colors. ¼ lb., $1.25; 1 oz., 40c; ½ oz., 25c; pkt., 10c.

Shirley Poppies (Silk or Ghost)

These have beautiful satiny flowers of various colors, all with white centers. Foliage is hairy and finely cut

4277 **American Legion.** A dazzling orange-scarlet of enormous size. ¼ oz., 25c; pkt., 15c.

4278 **Blue Shirley.** 20 in. Various blue shades. Pkt., 10c.

4280 **Wild Rose Shirley.** 20 in. Shades of rose and pink. ¼ oz., 25c; pkt., 10c.

4285 **Shirley Mixed.** 20 in. Delicate shades of rose, apricot, salmon-pink, and blush to glowing crimson with a sprinkling of blues. Oz., 30c; pkt., 10c.

4291 **Eldorado (Ryburgh Hybrids).** 2 ft. The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange-scarlet, pink, rose and white, without any dark markings whatever. Pkt., 10c.

4295 **Eldorado Salmon Shades.** 2 ft. Pkt., 15c.

4239 **Double Begonia Flowered Mixed.** The flowers resemble the double tuberous rooted begonias in form and contain an assortment of lovely light shades. Pkt., 25c.

4238 **Double Begonia Flowered Sweet Briar.** Sweet Briar is a delightful shade of deep rose-pink. The blossoms are full double, resembling a very large double begonia. Pkt., 25c.

4310 **VAUGHAN'S SPECIAL MIXTURE DOUBLE AND SINGLE POPPIES.** Comprises not only all the double and single Poppies described, but also a number of other sorts especially purchased for this mixture, including some entirely new ones. ¼ lb., $1.25; 1 oz., 40c; ½ oz., 25c; pkt., 10c.

RICINUS (Castor Bean) □

Giant, strong growing plants, with ornamental foliage. Moles are kept away by planting Castor Beans in the borders. Ricinus attract Japanese beetles. After devouring the leaves the insect dies.

4545 **Cambodgensis.** 6 to 8 ft. Large palm-like leaves of darkest maroon; stalk nearly black. 1 oz., 20c; pkt., 10c.

4546 **Crimson Spire.** The bushy plants grow 6 to 8 ft. high with large palmate leaves of a lustrous purple gradually changing to bronzy green, with red stems, stalks and vines and crimson seed spikes. Pkt., 15c.

4547 **Borboniensis Arboreus.** 15 ft. Immense plants with green foliage. Oz., 20c; pkt., 10c.

4555 **Sanguineus.** 6 ft. Green leaved, red stems. 1 oz., 20c; pkt., 10c.

4560 **Zanzibariensis Mixed.** 10 to 12 ft. The ornamental leaves, beautifully lobed, are 2½ to 4 ft. across. Each plant makes a perfect pyramid of foliage. 1 oz., 20c; pkt., 10c.

4565 **Zanzibariensis Enormis.** 1 oz., 25c; pkt., 10c.

4570 **Mixed.** Many sorts. 1 oz., 15c; pkt., 10c.

RHODANTHE (Everlasting) □

A charming annual; succeeds in a light, rich soil and a warm sheltered situation; valuable for pot culture; flowers everlasting. 12 inch.

4530 **Manglesi Rose.** Bright rose flowers.

4540 **White and Pink Mixed.**
Each of above, pkt., 10c.

RUDBECKIA

4580 **Bicolor Superba (Coneflower).** □ 2 ft. Abundance of bright yellow flowers with brown central disc; fine for cutting. Pkt., 10c.

4582 **My Joy.** A striking addition to the annual Rudbeckia. Flowers very large, some over five inches in diameter, of an orange-yellow with rather small cone. Pkt., 25c.

Portulaca for Hot Dry Spots

(Rose Moss) □

Portulacas not only bear the poorest soil without complaint, but during a dry season when everything else is looking sorry for itself these brave little fellows gaily nod their thousand bright metallic looking flowers and seem to enjoy the drought. Easily transplanted. In sowing mix the seed with dry sand to insure an even distribution. Sow in May when the ground is thoroughly warmed through, and very soon one of the loveliest of floral carpets will appear. Sow between stepping stones.

Large Flowering Single

4400 **White.** 4415 **Striped.**
4405 **Yellow.** 4420 **Scarlet.**
4410 **Pink.**
Each of the above, oz., $1.00; ¼ oz., 35c; pkt., 10c.

4425 **Giant Parana.** The flowers are fully twice as large as those of other Portulacas and of the most dazzling reddish-purple. Pkt., 10c.

4430 **Single Mixed.** Lb., $6.00; ¼ lb., $1.70; 1 oz., 60c; ¼ oz., 20c; pkt., 10c.

Large Flowering Double

4435 **White.** 4441 **Salmon.**
4438 **Yellow.** 4443 **Scarlet.**
4440 **Pink.**
Each of the above, ⅛ oz., 75c; pkt., 10c.

4455 **Double Best Mixture.** 1 oz., $2.50; ⅛ oz., 50c; pkt., 10c.

4455 PORTULACA Double Best Mixed. Pkt., 10c.

4430 PORTULACA Single Mixed. Pkt., 10c.

Gold-Veined Salpiglossis

ONE of the easiest of annuals to grow, the salpiglossis is in appearance an aristocrat, which is prized in the gardens of the wealthy. It is rich in deep color tones rare in the floral world, which are set off by veins of gold, marking every petal. The rule, for growing salpiglossis, is give it room and do not coddle. Sow in the full sun in fairly rich soil as early as possible, and do not crowd. Its blossoms, similar in shape to a petunia, on strong stems are borne profusely until frosts kill the plants. 30 inches.

4630 SALPIGLOSSIS Vaughan's Special Mixture. Pkt., 15c.

SALPIGLOSSIS □

4590 **Bright Crimson.**
4591 **Brown and Gold.**
4595 **Faust.** Black.
4600 **Rose and Gold.**
4605 **Velvety Violet.**
4610 **Golden Yellow.**
4611 **Blue and Gold.**

Each of the above, per pkt., 15c.

4625 **Emperor Mixed.** Large improved strain, complete range of colors. Pkt., 10c; ⅛ oz., 30c.

4615 **Gloxiniaflora Mixed.** A special selection of the Painted Tube Tongue made by a French hybridizer. Flowers large and fancifully veined in contrasting colors. Pkt., 15c.

4630 **VAUGHAN'S SPECIAL MIXTURE.** This mixture is put up by ourselves of separate varieties and is without doubt the best mixture obtainable. ⅛ oz., 35c; pkt., 15c.

SENSITIVE PLANT—See Mimosa Pudica.

SHOO FLY PLANT—See Nicandra.

SWEET SCABIOSA (Mourning Bride)

The flower stems are long and the blossoms keep well in water. Soft tones predominate. When given plenty of room and faded flowers are kept picked off, it will last through the whole summer. Owing to its sweetness the bees are very fond of it and its flavors also attract all the most beautiful types of butterflies to the neighborhood. Sometimes called the Pincushion plant. 30 inches.

4740 SCABIOSA Vaughan's Special Mixture. Pkt., 10c.

Large Flowering Double

4700 **Golden Yellow.**
4705 **Flesh.**
4710 **Fiery Scarlet.**
4715 **Azure Fairy.**
4720 **Cherry Red.**
4725 **Black Prince.**
4730 **Rose.**
4731 **Amethyst or Ageratum Blue.**
4728 **Shasta.** Pure white of enormous size.
4729 **Peachblossom.** A beautiful shade of peach-blossom pink.

Each of above, ¼ oz., 30c; pkt., 10c.

4727 **Loveliness.** Scabiosa Loveliness is unsurpassed as a cut flower. It has long, stiff stems and a delightful fragrance, but its crowning beauty is its glorious salmon-rose color. Pkt., 15c.

4742 **Coral Rose.** A very neat and compact plant growing only 8 inches tall. Flowers a delightful shade of deep rose-pink, tinged salmon. Pkt., 25c.

4743 **Dwarf Double Mixed.** 1½ ft. Various colors. Do not require staking and are desirable for planting in front of the taller sorts. Pkt., 10c.

See also Perennial Pages.

4740 **SCABIOSA VAUGHAN'S SPECIAL MIXTURE.** Many new colors have been purchased for this and we are sure the delicate and soft colors will be admired by all our friends who plant a packet of this seed. ¼ oz., 25c; pkt., 10c.

SAPONARIA (Soapwort)

4691 **Vaccaria Rose.** □ 2 ft. Light graceful sprays of glistening pink flowers, somewhat like a "glorified" Gypsophila, produced in profusion.
4693 **Vaccaria Alba.** White.
4692 **Vaccaria Mixed.**
4694 **Multiflora Scarlet Queen.** 6 in. Dwarf, bearing an immense number of rosy-scarlet flowers.

Each of the above, pkt., 10c.

SANVITALIA
Creeping Miniature Zinnia

4690 **Procumbens Fl. Pl.** □ 6 in. Sanvitalia flowers are much like tiny Zinnias, golden yellow with very dark purple centers, some single and others double. The plants are prostrate and creep over the soil instead of growing upward. They start blooming in June and continue until frost. Pkt., 10c.

SAINTPAULIA—See page 36.

SCARLET RUNNER

4766 **Emperor.** □ In northern locations where summers are cool and short this takes the place of the Large Lima Beans. Plants are of strong, quick growth, bearing large sprays of bright scarlet pea-like flowers. When fully ripened the dry beans are of bright scarlet, blotched with purple. Pkt., 10c.

4757 SCHIZANTHUS Vaughan's Excelsior Hybrids. Pkt., 25c.

4640 SALVIA SPLENDENS America. Pkt., 25c.

SALVIA □

The brilliant scarlet Salvia Splendens, so highly valued as a source of this vivid color in summer beds, borders, window boxes and flower pots, is by no means the only worthy member of this family. The tall pale lavender Salvia Farinacea is increasingly popular in summer borders, and Blue Beard is an excellent border foreground subject.

4640 **America, or Globe of Fire.** 16 in. Freest and most continuous bloomer; also the most uniform in habit, which makes it particularly valuable for bedding or ribbon planting. Pkt., 25c.

4655 **Clara Bedman or Bonfire.** 2 ft. The spikes grow erect and stand clear above the foliage. The plants form handsome globular bushes. Pkt., 10c.

4660 **Drooping Spikes.** 2½ ft. This large flowering variety has three times the flowering capacity on each spike as the ordinary. Pkt., 10c.

4650 **Fireball.** 1½ ft. The bushy plant is covered with flower spikes of fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. Pkt., 15c.

4665 **Indian Purple.** Some object to the scarlet color of the Splendens varieties. The flowers of the Indian Purple would please them as they are a true purple-violet color. Pkt., 15c.

4670 **Zurich.** Early, dwarf and compact with large brilliant flower spikes. Pkt., 15c.

4675 **Mixed.** All above and others. Pkt., 10c.

See also Novelties.

4680 **Coccinea.** 2 ft. Annual scarlet sage. Pkt., 10c.

4683 **Farinacea.** 3 ft. Tall spikes of the most lovely pale cloudy blue. Blooms form a dense mass of foliage. Flowers may be dried and used as an everlasting. Pkt., 10c.

4679 **Blue Beard.** Grows 1 ft. high. Its blue-purple heads produce a fine effect in beds and borders and are prized for cutting. Pkt., 10c.

See also Perennial Pages.

SCHIZANTHUS □

This is one of the daintiest of annuals. The seed germinates readily and in a few weeks the plant is a mass of small but bright flowers in a bewildering range of colors, all blotched and marked in contrasting shades. The foliage is delicate and fern-like. It may be sown in spring for garden decoration or may be seeded in fall in pots in the conservatory or house for spring blooming.

4757 **Vaughan's Excelsior Hybrids.** A choice strain with very large flowers with handsome markings on white, buff, brilliant rose, blue and purple ground. Finest yet offered. Pkt., 25c.

4756 **Rose and Amber Shades.** Quite a new strain of pink and rose tints, mostly heavily blotched gold and bronze but also contains some very delicate and pleasing pinks. Pkt., 25c.

4760 **Wisetonensis Mixed.** 1½ ft. Profusion of flowers varying from almost white with yellow eye to brilliant rose with bronzy center. Pkt., 15c.

4765 **Mixed, all colors.** ¼ oz., 15c; pkt., 10c.

4758 **Retusus Roseus.** 2 ft. Large rose flowers fairly cover the plant. Foliage fern-leaved. Upright growth, fine for cutting. Pkt., 15c.

4759 **Retusus Rosamunde.** 2 ft. Of upright and stiffer growth than above which makes this type more suitable for cut-flower purposes. Delicate rose-spotted flowers. Pkt., 15c.

SNAPDRAGON—See Antirrhinum.

SNOW-ON-THE-MOUNTAIN—See Euphorbia Variegata.

SPIDER PLANT—See Cleome Pungens.

5346 Apollo. Pkt., 10c. 5495 Mrs. Herbert Hoover. Pkt., 10c. 5416 Giant Rose. Pkt., 10c. 5557 Vogue. Pkt., 10c. 5555 Valencia. Pkt., 10c.

All the Finest New Sweet Peas

Early and Long Season Spencer

A new race of Sweet Peas, having the large waved flowers of the Spencer type, but flowering fully one month earlier they also continue to flower for a much longer period. Excellent for greenhouse planting and also for outdoor sowing. This class is recommended for all sections where spring is late and of short duration; as they give flowers before the summer heat arrives. Duplexed varieties often have 3 to 4 standards and the same number of wings, giving the appearance of a semi-double flower.

5339 **Alameda.** Deep rose-pink, overlaid with glowing salmon cerise-pink.
5343 **American Beauty.** A rich crimson-rose on white ground.
5345 **Amethyst.** Royal purple.
5344 **Annie Laurie.** Richest tone of pure rose-pink. Pkt., 15c.
5346 **Apollo.** Soft salmon rose, long stem.
5375 **Blue Bird.** Violet-blue.
5350 **Blue Boy.** Clear blue.
5351 **Bright Light.** Flaming scarlet.
5355 **Cattleya.** Rosy lilac flowers.
5385 **Columbia.** Salmon rose standard, white wings.
5395 **Cream.**
5403 **Eleanor Blue.** Blue with silver sheen. Pkt. 25c.
5404 **Exposition Pink.** Large waved pink. Pkt. 25c.
5401 **Early Attraction.** Deep rose on salmon, slightly iridescent. Pkt., 25c.
5398 **Eldorado.** Orange.
5407 **Fascination.** Salmon rose-pink.
5411 **Fandango** (Duplex). Bright rose, large, magnificently frilled, long stemmed.
5412 **Forty-Niner.** Bright true orange.
5457 **Fragrance.** Large frilled lavender flowers, sweetly fragrant.
5416 **Giant Rose.** Improved Zvolanek's rose.
5420 **Glitters.** Standard bright fiery orange, wings deep orange.
5430 **Grenadier.** A glowing poppy-scarlet.
5438 **Harmony.** Clear lavender.
5451 **Illumination.** Salmon cerise.
5466 **Jeanne Mamitsch.** Striking pink, shading off to deepest pink.
5470 **Laddie.** Rose pink on white ground. Pkt., 15c.
5472 **Lavanda.** New lavender. Pkt., 25c.
5486 **Majestic Rose.** Immense deep, brilliant rose-pink flowers on long stems.
5488 **Mrs. Calvin Coolidge.** Salmony pink.
5495 **Mrs. Herbert Hoover.** "The California Blue."
5492 **New Blue.** Deep blue.
5514 **Peaches.** Bright apricot rose with touch of lemon in the keel.
5515 **Pride.** Cerise. Pkt., 25c.
5516 **Prosperity.** Orange salmon. Pkt., 25c.
5524 **Sparkle.** Bright, clear vivid scarlet, sun-proof.
5526 **Spring Song.** Salmon-pink.
5540 **Snowstorm Improved.** Flowers large, pure white of great substance.
5525 **Sunray.** Cerise, cream ground.
5542 **Sweet Lavender.** Pure lavender self.
5555 **Valencia.** Color bright orange, sun-proof
5557 **Vogue.** Standard lilac lavender, flushed rosy lavender and wings clear lilac lavender.
5565 **White Harmony.** Black seeded white.

Price Early Flowering, any of above except Annie Laurie, Eleanor Blue, Exposition Pink, Early Attraction, Laddie, Lavanda, Pride and Prosperity, noted otherwise. Pkt., 10c; ½ oz., 30c; oz., 50c. Any three 10 cent pkts., 25c.

Steep Banks and Dry Slopes often are a problem. Cover them with Pinks, Dianthus deltoides and Caesius, Aubrietias, Alyssum Saxatile, Arabis, Cerastium, Saponaria ocymoides and Silene. These are all offered in this catalog and are easily raised from seed. In such a position they give a natural beauty and a glorious effect.

Special Offer

5596 One pkt. each **Apollo, Mrs. Herbert Hoover, Giant Rose, Vogue, Valencia** for 40c.

5595 **VAUGHAN'S SPECIAL MIXTURE** Early Flowering Spencers. All the varieties listed and many others. Oz., 60c; pkt., 15c.

10 BEST EARLY FLOWERING Spencer Sweet Peas Collection No. 5600

Price, one packet of each for 75c.

Lavender	Harmony
Rose Pink	Giant Rose
Orange	Eldorado
Salmon Pink	Spring Song
White	White Harmony
Clear Blue	Mrs. Herbert Hoover
Scarlet	Grenadier
Cerise	Glitters
Deep Rose	Jeanne Mamitsch
Royal Purple	Amethyst

10 BEST LATE FLOWERING Spencer Sweet Peas Collection No. 5325

Price, one packet of each for 50c.

White	Constance Hinton
Salmon Rose	Geo. Shawyer
Red	Charity
Light Blue	Heavenly Blue
Lavender	Power's Court
Orange	Guinea Gold
Dark Blue	Fortune
Maroon	Warrior
Picotee	Youth
Cream Pink	Fluffy Ruffles

Late Flowering Spencer

5003 **Charity.** Best red.
5020 **Constance Hinton.** White, black seeded.
5064 **Fluffy Ruffles.** A new type, duplexed and frilled, with long stems. A lovely rich rose-pink, a gleam of soft salmon, and a bright creamy undertone blend into a harmonious cream-pink shade.
5063 **Fortune.** Rich dark blue.
5066 **George Shawyer.** Giant salmon-rose.
5070 **Guinea Gold.** Golden orange.
5117 **Heavenly Blue.** Delphinium-blue.
5199 **Pinkie.** Large rose pink.
5195 **Powers Court.** One of the finest lavenders.
5260 **Royal Scott.** The most brilliant scarlet.
5310 **Warrior.** Rich chocolate-maroon.
5311 **Youth.** Large white, pink picotee edge.
Price Late Flowering, any of above. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., $2.65. Any 3 10 cent pkts. for 25c.

For Perennial SWEET PEAS—See Lathyrus Latifolius in Perennial pages.

Vaughan's Special Mixture

5320 **Spencer Varieties.** This mixture is one we make ourselves from named sorts of late flowering ruffled or Spencer varieties and a few of the early flowering ruffled. The result will be a gorgeous display of wonderful blossoms for a long period of time. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., $2.00.

4692 SAPONARIA Vaccaria Mixed. Pkt., 10c.
(See Page 57)

New Race of Giant Stocks

ALL the desirable qualities exhibited by the magnificent stocks displayed nowadays in florists' windows, are present in well grown plants in garden beds and borders. Sturdy flower spikes covered with rosette blossoms in soft colors of an exceptional tone range, rise above the attractive dull or glossy foliage to a height varying in the different classes. Stocks require a rich soil of a sandy well manured loam, mixed with compost well rotted sod and plenty well decayed manure. Only about 60 per cent of the flowers, will come double, the rest are single. Sow seed early in the house and transplant outside when all danger of frost is over. Hot weather is responsible for the blind growth that so frequently disappoints out-door growers of this crop. Stocks are a cool temperature crop and that should explain why they sometimes disappoint us during the summer months.

4949 STOCKS Bismarck Mixed. Pkt., 15c.

SUNFLOWER Helianthus □

These comprise plants of majestic growth and immense showy flowers, suitable for shrubberies, woodlands, wild gardens and subtropical gardening; the dwarfer kinds, with smaller flowers, are charming when grouped in mixed flower borders.

Large Flowered Tall

2700 **Annuus Purpureus, Gaillardia-flowered or Red Sunflower.** 4 to 8 ft. Some flowers of a rich chestnut-red, others tipped with yellow and others slightly washed with red. They vary in size, and usually have a small disc, and often two rows of long, slightly curled rays. ¼ oz., 25c; pkt., 10c.

2703 **Annuus Aureola.** This is an intermediate form of the annuus and cucumerifolius varieties. The flowers, owing to its peculiar rays of petals tinted with red to delicate yellow with a brown-red center, have the effect of an aureola. Free bloomer. Pkt., 15c.

2704 **Intermediate Sanguineus Excelsior.** A hybrid of annuus purpureus and cucumerifolius from the latter it secured its elegant growth, while the former furnished its fine red flowers. Pkt., 15c.

2705 **Argyrophyllus.** 4 ft. Handsome silvery foliage, single bright yellow flowers enhanced by a black disk, perfect pyramidal growth. Pkt., 10c.

2707 **Californicus Fl. Pl.** 5 ft. Double dark yellow. Pkt., 10c.

2709 **Chrysanthemum Flowered Double.** 6 ft. Golden yellow flowers. Pkt., 10c.

2715 **Double Mixed.** Pkt., 10c.

2717 **Globosus Fistulosus Fl. Pl.** 6 ft. Double globe or dahlia, saffron flowers. Pkt., 10c.

2722 **Nanus Flore Pleno.** 2½ ft. Double dwarf, beautiful for massing in beds. Pkt., 10c.

2725 **Russian Mammoth.** Single, of gigantic dimensions. Sow a few seeds in the corner of the garden and it will provide in late Summer a feeding table for a large number of birds. 1 oz., 5c.

Miniature-Flowered

The cucumerifolius form spreading bushes with small graceful foliage and bear a multitude of small elegantly formed flowers.

2727 **Cucumerifolius.** 5 ft. Charming small flowers, rich golden yellow with brown-black center ¼ oz., 25c; pkt., 10c.

2735 **—Stella.** 5 ft. Large golden yellow petals; small, dark center. Pkt., 10c.

2737 **—Orion.** 5 ft. Petals rolled, resembling Single Cactus Dahlia. Pkt., 10c.

2740 **—Purpureus.** Red and yellow tones. Pkt., 10c.

2745 **—Double Hybrids.** Double and semi-double flowers. Pkt., 10c.

2755 **—Vaughan's Special Mixture.** Includes all the above cucumerifolius sorts. ¼ oz., 20c; pkt., 10c.

2760 **VAUGHAN'S SPECIAL MIXTURE** of all the single and double Sunflowers. ½ oz., 25c; pkt., 10c.

SWAN RIVER DAISY—See Brachycome.

SWEET ROCKET—See Hesperis in perennial pages.

(Levkojen) Dwarf German

This class is a favorite for outdoor bedding. 12 in

4830 **White.**
4835 **Canary Yellow.**
4838 **Flesh.**
4853 **Mauve** (Water Blue).
4856 **Dark Blue.**
4841 **Rose Pink.**
4845 **Crimson.**
4850 **Light Blue.**

Each of the above, pkt., 10c.

4865 **Best Mixed.** ⅛ oz., 50c; pkt., 10c.

Bismarck

If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and thick flower stalks. The best variety for greenhouse use. 2½ ft.

4925 **White.**
4929 **Old Rose.**
4940 **Gold Ball.**
4947 **Flesh.**
4948 **Golden Rose.**
4946 **Chamois.**
4945 **Blood-red.**
4930 **Lilac.**
4932 **Lavender.**
4931 **Dark Blue.**
4944 **Elk's Pride.**

Each of the above, pkt., 15c.

4949 **Bismarck Mixed.** ⅛ oz., 50c; pkt., 15c.

Giant Perfection "Cut and Come Again" 1½ ft.

Useful for outdoor bedding as well as for pots or cut flowers. They throw out numerous side branches, all bearing very double, fragrant flowers.

4875 **Improved Snowdrift, White.**
4880 **Canary Yellow.**
4885 **Pink.**
4895 **Scarlet.**
4905 **Light Blue.**
4915 **Dark Blue.**
4890 **Old Rose Improved.** A favorite color in Garfield Park Conservatory in Chicago.
4900 **Empress Augusta Victoria.** Silvery lilac.
4910 **Heatham Beauty.** A rich mauve, shaded terra cotta.

Each of the above, pkt., 10c.

4920 **Giant Perfection Mixed.** ⅛ oz., 40c; pkt., 10c.

See also Novelties.

4970 **VAUGHAN'S SPECIAL MIXTURE OF STOCKS.** Contains all the varieties listed and many others not catalogued. ⅛ oz., 50c; pkt., 15c.

SENECIO ELEGANS □

A really beautiful free-flowering hardy annual, producing dense heads of double flowers, which are largely grown for bouquets. 12 inches.

4774 **Double Mixed.** Pkt., 10c.

SILENE "CATCHFLY"

4775 **Armeria Mixed.** □ 1½ ft. A very showy early flowering hardy annual, bearing in quantity, heads of white, pink and red flowers. Pkt., 10c.

STATICE □

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, which are rare among everlastings, and have come to be indispensable in making winter bouquets.

4795 **Russian (Suworowii or Rat Tail).** 30 in. Flowers bright rose color. Pkt., 15c.

4800 **Bonduellii.** 3 ft. Producing numerous heads of bright yellow flowers. Pkt., 10c.

4801 **Sinuata Rosea Superba.** 3 ft. A charming new bright color. Pkt., 10c.

4802 **—True Blue.** 3 ft. A new deep blue. Pkt., 10c.

4804 **—White.** 3 ft. Pkt., 10c.

4805 **—Mixed.** 3 ft. Pkt., 10c.

SWEET WILLIAM—See perennial pages.

THUNBERGIA

5640 **Alata, Mixed (Black-Eyed Susan).** □ = 5 ft. A lovely trailing plant with large showy flowers. It will trail over the ground, forming a dense mat of foliage and flowers. Colors range through all shades of yellow, orange, buff, to pure white, mostly with jet-black centers, or eyes, which are very effective. ⅛ oz., 30c; pkt., 10c. **See also Novelties.**

TRITOMA

5655 **Hybrida Mirabilis.** □ An annual Red-Hot Poker Plant. Seed should be sown in temperate heat from January to March, pricked off and treated like half hardy annuals. The seedlings may be planted in open ground from end of April to May and they will bloom freely from August to late in the autumn. Pkt., 15c.

TRACHELIUM

5656 **Coeruleum.** Free-growing annual having large cloud-like heads of tiny blue flowers resembling Gypsophila. Also makes a fine pot plant. 18 inches. Pkt., 25c.

5645 TORENIA Fournieri. Pkt., 15c.

TORENIA

5645 **Fournieri.** □ + 10 in. Bushy globular plants literally covered with the lovely, richly-colored snapdragon-like flowers of a delightful sky-blue with a touch of gold on the lip. They are excellent for beds, pots or hanging baskets. Pkt., 15c.

5646 **—Compacta.** This is a dwarf form of the above, better for pots. Pkt., 15c.

5650 **White Wings.** White with rose throat. Pkt., 10c.

5651 **Baillonii.** Yellow, brown markings. Pkt., 15c.

4795 RUSSIAN STATICE. Pkt., 15c.

5706 Rosea Stellata. Pkt., 15c. 5718 Lavender Glory. Pkt., 25c. 5701A Etna. Pkt., 15c. 5685 Mayflower. Pkt., 10c.

Verbenas for Color Rich and Varied

MODERN verbenas excel in size and vivid coloring, without losing the qualities of vigor and free-flowering which endeared them to our grandmothers. As material for supplying desired color effects in beds or borders, they are in the front rank. The pinks are like those found in Trailing Arbutus; the purple is truly royal; the scarlet is like rich velvet; the white is as pure as snow; the blue and lavender tints are dainty; and besides the clear color varieties there are sorts with white and dark eyes, and others that are striped.

Gigantea

This is a new strain of Grandiflora Verbenas; the plants are compact growers, bearing immense trusses the individual florets measuring an inch and over in diameter.

5701 **Gigantea Alba.** Pure white. Very fragrant.
5702 **—Coccinea.** Scarlet, small eye.
5701A **—Etna.** Geranium-red, with a cream eye.
5718 **—Lavender Glory.** A true lavender with a medium-sized creamy white eye which accentuates the lovely lavender tone. The color runs about 80% true, and the individual florets will cover a fifty cent piece. It is also distinctly and sweetly fragrant. Pkt., 25c.
5703 **—Lucifer.** Vivid scarlet-self.
5704 **—Luminosa.** Luminous flame-pink shading to salmon.
5705 **—Rose Cardinal.** Carmine-rose with large white eye.
5706 **—Rosea Stellata.** A pure rose-pink, with large white eye.
5719 **—Royale.** Royal blue with a creamy yellow eye. Pkt., 25c.
5717 **—Sutton's Giant Pink.** A fine salmon pink with a faint light eye. Pkt., 25c.
5707 **—Violacea Stellata.** Deep violet, white eye. Each of above except Royale, Suttons Giant Pink and Lavender Glory, pkt., 15c.

TITHONIA

5641 **Speciosa, Mexican Sunflower.** ① A rare plant from Mexico. Throwing up from the root many stout, woody stems furnished with rather large foliage. The flowers are large and remind one of an immense single Zinnia; color, dazzling orange-scarlet. It forms a large shrubby plant, flowers for a long period and is especially desirable for planting among shrubs or in the background of wide borders. Pkt., 25c.

5641 TITHONIA Speciosa. Pkt., 25c.

5728 1 pkt. each Rosea Stellata, Lavender Glory, Etna, Mayflower, as illustrated, for 50c.

5708 **Gigantea Mixed.** A wonderful mixture of large flowering varieties. The flowers are, as the name indicates, gigantic, with white eye, the reds particularly are attractive. ⅛ oz., 35c; pkt., 15c.

Hybrida

5660 **Defiance.** An intense scarlet. Pkt., 10c.
5666 **Blue Shades.** Pkt., 10c.

5730 **VAUGHAN'S BEST MIXTURE.** It includes all the Mammoth and Gigantea sorts and several other sorts not listed and we feel perfectly safe in stating this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout summer. 1 oz., $3.00; ⅛ oz., 50c; large pkt., 25c; pkt., 15c.

5670 **Lutea.** Yellow. Pkt., 10c.
5685 **Mayflower.** Various shades of pink. Pkt., 10c.
5700 **Purple Shades.** Dark purple. Pkt., 10c.
5715 **Mammoth Mixed.** Producing in handsome umbels flowers of large size of white, rose, scarlet, blue, purple. ¼ oz., 40c; pkt., 10c.
5737 **Nana Compacta Mixed.** 10 in. A mixture of dwarf growing varieties suitable for ground cover edging or rock work. Pkt., 10c. **See also Novelties.**
5750 **Citriodora (Lemon-Scented Verbena).** ÷ An old favorite with fragrant evergreen leaves. It is a low-growing tender plant and may be grown in the garden in summer and in pots in winter, and the leaves dried and laid among linens. Pkt., 10c.
5755 **Erinoides.** 12 in. Is a fine rock garden plant. This lovely variety produces a nest of moss-like foliage spreading over the ground like a carpet, above which are borne heads of purplish-blue blossoms in lavish profusion Blooms until frost Pkt., 10c.
5760 **Erinoides Alba.** 12 in. Of the same character as the Erinoides purple, but with white flower heads; very pretty. Pkt., 10c.
5765 **Venosa.** 1 ft. Largely used for bedding purposes; strong, thrifty grower, covered with bright rosy heliotrope flowers. Seeds are slow to germinate. Should be sown in the house before March. Blooms until frost. ⅛ oz., 30c; pkt., 10c.

New African Daisy Venidium

5659 **Calendulaceum.** 14 in. A strong growing, bushy plant with large, brilliant, orange colored, daisy-like flowers with a paler zone around the central dark disc. The fine silver-greyish foliage adds to its beauty. Pkt., 15c.
5658 **Fastuosum.** 2 to 3 ft. Above the greyish silky foliage rise numerous orange flowers, are marked with a purple-black zone averaging four to five inches across. Treat as a half-hardy annual, sowing in March or April, as germination is difficult earlier. Plant in sunny position. Pkt., 35c.

URSINIA □

5657 **Anethoides.** The plants form large tufts of leaves, from which spring up long wiry stems, bearing flowers of a rich orange-yellow, adorned by a beautiful ring of deep purple with spots of a darker shade. The blossoms remain open until dark. Pkt., 25c.
5657A **Anethoides. New Hybrids Choice Mixed.** Many attractive new shades. Some very pleasing varieties will be found in it. Pkt., 25c.

WALLFLOWER (Goldlack) ÷

Wallflowers should be better known because of their adaptability for pot culture and out-door bedding and the peculiar sweet fragrance of their flowers. The oriental coloring of the flowers in rich reds and yellows is very effective. They are easily grown and last long as cut flowers. In the Northern States, should be wintered in cold frames. 18 inches.

5820 **Single Mixed.** Pkt., 10c.
5825 **—Annual Blood-Red.** Pkt., 10c.
5824 **—Goliath.** Shining red with a velvety black sheen. Pkt., 10c.
5830 **—Annual Golden Gem.** Pkt., 10c.
5835 **—Annual Mixed.** Pkt., 10c.
5840 **Double Mixed.** Pkt., 15c.
5832 **Annual Double.** This was developed by crossing the perennial double with the early annual and should thrive and bloom profusely in warm and dry countries where only the early annual singles are successfully cultivated. A fine potplant and if sown early will bloom first year from seed. Pkt., 25c.

5658 VENIDIUM Fastuosum. Pkt., 35c.

VIRGINIA STOCK

5815 **Mixed.** □ 6 in. Sown early these pretty annuals are gay in the period between the spring and summer flowers, their fresh bright colors in edgings and beds producing a charming effect. ¼ lb., 75c; oz., 25c; ½ oz., 15c; pkt., 10c.

VISCARIA □

Very showy and effective garden annual, producing freely throughout the summer large single flowers in red, white and blue shades. Very bright and effective for beds and useful for cutting.

5802 **Cardinalis.** 1 ft. Bright carmine. Pkt., 10c.
5801 **Blue Bonnet.** 1 ft. Large blue. Pkt., 25c.
5803 **Nana Compacta. Dwarf Mixed.** 8 in. Pkt., 10c.
5805 **Mixed.** 1 ft. ¼ oz., 25c; pkt., 10c.

5800 VINCA Rosea Mixed. Pkt., 10c.

Viola Cornuta

(Tufted Pansies) □

These cousins of the larger flowered pansy bloom so freely that many consider them superior where a mass of color is desired. The season is long, and colors particularly clear and distinct.

5807 **Admiration.** Violet-blue. Pkt., 10c.
5808 **Black Prince.** Rich velvety black. Pkt., 10c.
5809 **Blue Perfection.** Pale blue. Pkt., 10c.
5810A **Primrose Dame.** Sulphur yellow. Pkt., 15c.
5816 **Puck.** Upper petals purple-velvet, lower clear yellow. Pkt., 15c.
5812A **Terra-Cotta.** Terra-cotta shades. Pkt., 15c.
8582 **G. Wermig.** Resembles large violet. Pkt., 25c.
8583 **G. Wermig.** White. Pkt., 10c.
5810 **Lutea Splendens.** Bright yellow. Pkt., 10c.
5811 **Papilio.** Flowers soft lavender-purple, lower petals flushed white. Pkt., 10c.
5812 **Rose.** Pkt., 10c.
5813 **Vaughan's Improved Scotch Violas.** A charming and delightful mixture of these bright and ever-blooming Violas in a complete color range, shading from pale lavender to rich purple black, yellow, white, terra-cotta, apricot and rose. Pkt., 25c.
5814 **Cornuta Mixed.** ⅛ oz., 35c. Pkt., 10c.

See also Perennial and Novelty pages.

VINCA ROSEA

(Periwinkle) +

Ornamental free-blooming plants, with dark laurel-like foliage and handsome pink and white flowers. Seed germinates slowly but if sown early plants will bloom the first summer. They can be taken up in the fall, potted, and kept in bloom the winter. 1 ft.

5775 **White.** Pkt., 10c.
5780 **Delicata.** Soft pink. Pkt., 10c.
5785 **White with Eye.** Pkt., 10c.
5790 **Pink.** Pkt., 10c.
5800 **Rosea Mixed.** Pkt., 10c.

WHITLAVIA

5845 **Gloxinioides Blue (California Canterbury Bells).** □ 1 ft. Deep lavender-blue with white throat resembling small Gloxinias. Pkt., 10c.

5813 VIOLA Vaughan's Improved Scotch Mixed. Pkt., 25c.

WILD CUCUMBER

5847 **Echinocystis Lobata.** □ = Quickest growing climber on our list. It is thickly dotted over with white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. Sown on banks it will act as soil binder. ¼ lb., 75c; 1 oz., 25c; ½ oz. 15c; pkt., 10c.

XERANTHEMUM (Everlasting)

5849 **Double Mixed.** □ 2 ft. Bright and pretty "Everlasting" with silvery foliage and silky flowers in pink, white and purple. Pkt., 10c.

ZEA (Rainbow Corn)

6174 **Japonica fol. var. (Variegated Corn).** Striped green and white. Pkt., 10c.
6175 **Japonica Quadricolor Perfecta.** □ 4 ft. Tall grass-like plant for mixed beds and borders or isolated groups. Thrives in rich, light, warm soils. The leaves are striped in yellow, green, rose and dark red. Pkt., 10c.

Bushy Bed and Border Zinnias

FOR border effects during hot weather when perennial flowers are few, the small flowered zinnias are coming rapidly to the front. They bloom in much greater profusion than the larger types, standing well out above the foliage and registering as a color mass in the picture. They are also excellent for pot plants, and cut flowers.

Pumila Double 18 in.

"Cut and Come Again"

Extra double flowers, produced on regular dwarf plants.

6080 **Snow Ball.** 6093 **Pink Ball.**
6085 **Golden Ball.** 6095 **Fire Ball.**
6100 **Watermelon Pink.** A very pleasing and charming shade of salmon-rose.

Each of the above, oz., $1.20; ¼ oz., 35c; pkt., 10c.

6105 **Pumila Mixed.** Oz., 75c; ¼ oz., 25c; pkt., 10c.

5860 **Crested and Curled.** The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnias. 30 in. Pkt., 10c.
5865 **Isabellina.** A beautiful cream yellow. A favorite of Mrs. Francis King of Alma, Mich. Pkt., 25c.
6110 **Red Riding-Hood.** 1 ft. Of compact form covered the entire season with double scarlet flowers not over an inch across; as a border plant it is highly effective. ¼ oz., 30c; pkt., 10c.

Pompon (Lilliput) or Baby Zinnias

The plants form handsome little bushes and fairly bristle with tiny, short-stemmed, very double flowers hardly exceeding a daisy flower in size. They are very pretty plants; bloom all summer. 12 to 15 in.

6061 **Crimson Gem.** 6065 **Salmon Rose Gem.**
6062 **Golden Gem.**
6062A **Lilac Gem.** 6066 **Scarlet Gem.**
6063 **Orange Gem.** 6067 **White Gem.**

Each of the above, ¼ oz., 35c; pkt., 10c.

6068 **Rose Bud.** New rose pink. Pkt., 15c.
6075 **Lilliput Mixed, all colors.** Oz., $1.00; ¼ oz., 30c; pkt., 10c.

See next page for other varieties of Zinnias.

6115 **Mexicana or Miniature.** Flowers small and showy, daisy-like in form, range in color from yellow to mahogany red, free flowering. Excellent for decorative bowl arrangements. Pkt., 15c.
6120 **Mexicana Fl. Pl.** 16 in. Double miniature Zinnia, flowers bright golden yellow, fine for edging. This plant deserves wide cultivation. Pkt., 10c.
6125 **Mexicana Fl. Pl. Hybrids.** 16 in. Double flowers in various shades of brown and orange. Pkt., 10c.

6110 ZINNIA Red Riding Hood. Pkt., 10c

Giant Flowered Zinnias

MOST gorgeous of annuals with a wonderful range of color. Extremely double flowers with long stems and good keeping qualities, make this old fashioned flower a joy in the garden. If grown in sunny spot in well fertilized soil and watered freely the flowers will be more completely double. To grow extra large zinnias, thin so the plants are twelve to fifteen inches apart in the row and rows three feet apart for the giant and two feet apart for the small varieties. Do not plant until all danger of frost is past and **do not plant nearer to trees than the height of the tree.** Dust with finely ground sulphur when the first buds are beginning to form at the rate of ½ pound per square rod to avoid mildew. Nearly all varieties of Zinnia will vary somewhat in trueness.

Dahlia Flowered 3 to 4 ft.

The broad petals are closely imbricated, sometimes seeming almost to be piled one upon the other, the flowers often 4 inches in depth and 6 to 8 inches in diameter, resembling Show Dahlias.

6132 **Buttercup.** An immense deep creamy yellow.
6131 **Canary Bird.** A delicate shade of primrose.
6133 **Crimson Monarch.** Rich crimson. Largest and best of red shades.
6134A **Eldorado.** Rose on deep salmon.
6134 **Dream.** A fine, deep lavender, turning to purple (Mallow Purple)
6135 **Exquisite.** Color light rose with center a deep rose. (Tyrian Rose.)
6135A **Giant Attraction.** Brick red.
6137 **Golden Dawn.** This beautiful shade of golden-yellow.
6136 **Golden State.** A very rich orange-yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom.
6130 **Illumination.** Similar to Exquisite but a striking self-color of deep rose. (Tyrian Rose.)
6130A **Luminosa.** Bright deep pink.
6142 **Meteor.** A rich glowing deep red; darkest of all red shades.
6129 **Old Gold.** Glowing burnished deep and lighter shades of Old Gold.
6129A **Old Rose.** Real old rose shade.
6138 **Oriole.** An immense orange and gold bicolor, changing slightly as it ages.
6139 **Polar Bear.** A very large pure white, the best white yet seen in Zinnias.
6140 **Scarlet Flame.** A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor.
Each of the above, ¼ oz., 50c; pkt., 15c; any 4 pkts. for 50c.
6145 **Dahlia Flowered Mixed.** All the above and others. A very charming and delightful surprise will result if you plant this. Oz., $1.50; ¼ oz., 50c pkt., 15c.

California Giants 3 to 4 ft.

They are larger than Colossal and a cross between them and the Dahlia Flowered types. They have smaller flat centers with more loosely placed petals. The petals are decidedly imbricated and the flower graceful.

6164 **Cerise Queen.** Beautiful cerise rose.
6168 **Purple Prince.** Deep purple.
6162 **Enchantress.** Extra choice pink.
6146 **Grenadier.** A very dark red, similar in color to 6142 above.
6147 **Lavender Gem.** A good clear lavender.
6150 **Lemon Queen.** The petals are light canary on the upper and cerise on the lower side. It is the only Zinnia with fragrance.
6163 **Miss Willmott.** Soft pink.
6151 **Orange King.** Similar in color to the Calendula of the same name.
6167 **Pink Profusion.** Delicate shrimp pink.
6153 **Purity.** A clean pure white.
6166 **Rose Queen.** Tyrian rose with deep rose-red center.
6165 **Scarlet Queen.**
Each of the above, ¼ oz., 50c; pkt., 15c; any 4 pkts. for 50c.
6156 **California Giants Mixed.** Oz., $1.50; ¼ oz., 50c; pkt., 15c.

Quilled Type

6158 **Achievement or Victory Mixed.** The petals are quilled giving somewhat the appearance of a cactus dahlia in various shades of tan. Pkt., 15c.

Scabiosa Flowered

6159 **Mixed.** 2½ ft. A new form. On a single corona of outside petals stands a semi-globular crown with a large number of small florets giving a most interesting effect, similar in form to the flowers of the Scabiosa. Although the reproduction from seeds is not yet quite true, it will meet with favor. Pkt., 35c.

6145 ZINNIA Dahlia Flowered, Mixed. Pkt., 15c.

6159 ZINNIA Scabiosa Flowered. Pkt., 35c.

Colossal or Giant Flowered 3 ft.

The flowers are of enormous size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for groups or cutting.

5935 **Buttercup.**
5976 **Burnt Orange.**
5937 **Bright Rose.**
5930 **Cream.**
5977 **Crimson.**
5965 **Golden Yellow.**
5978 **Lavender.**
5975 **Orange.**
5960 **Pink Shades.**
5990 **Royal Purple.**
5944 **Salmon Rose.**
5980 **Scarlet.**
5985 **Violet.**
5925 **White.**
Each of the above, ¼ oz., 35c; pkt., 10c.
6015 **Vaughan's Colossal Zinnias, Mixed.** A mixture we make of all the separate colors. Lb., $12.00; ¼lb., $3.00; oz., $1.00; ¼ oz., 30c; pkt., 10c.

Giant Picotee

A new and distinct class with double flowers in orange, flesh, lemon, pink and cerise, each petal being distinctly tipped with darker shades
6157 **Giant Picotee Mixed.** Pkt., 15c.

6170 **VAUGHAN'S SPECIAL MIXTURE** of all Giant sorts including the cream of the Dahlia Flowered Colossal, California Giants and Picotee mixed. This will produce a mass of color and will make a corner gay in the garden. ¼ oz., 60c; pkt., 25c; 5 pkts. for $1.00.

6065 ZINNIA Lilliput Salmon Rose Gem. (See page 61.) Pkt., 10c.

Perennial Flower Seeds and Plants

Note—All Plants are F. O. B. our Greenhouse, Western Springs, Illinois. Postage must be added or they will be sent express at buyer's expense.

Plants Marked × Suitable for Rock Garden

We recommend sowing perennial seeds in spring. Seed germinates better in the cool weather than in the heat of midsummer and the seedlings have an opportunity to develop into sturdy little plants by fall which permits them to winter-over more successfully. Make a seed bed where the amount of light and water can be controlled. Transplant when large enough to rows in the garden and in the fall reset in permanent location where they are to flower the following year. The majority of these perennials bloom the second year from seed although some like Coreopsis and Gaillardia, if sown early, bloom the first year. Some perennials are very slow and uneven of germination Seed may lie in ground a year. Perennials should be placed in clumps of three or five and left undisturbed for several years.

Order Plants

by **name** and on the **separate order sheet** provided for them. Give quantities desired in plain figures and write only one kind on each line.

Prices of Plants

The time involved in assembling long lists of plants when ordered one of a kind, compels us to charge proportionately higher for single plants; on the other hand we make the price of twelve and three-of-a-kind so attractive that it should induce our customers to buy at least three-of-a-kind.

Relative Prices Are as follows:

			3 supplied for	Each
Plants priced at	$2.00	per dozen	$0.65	$0.25
	2.50		.85	.35
	3.50		1.00	.45
	5.00		1.50	.65

25 plants of a variety at the 100 rate where listed by the hundred.

Plants by Parcel Post

If to be sent by parcel post add postage as follows: Single plants, **5c**; 3 plants, **10c**; 6 plants, **15c**; 12 plants, **25c**. We accept no responsibility for delays or conditions that may prove injurious to the contents.

Plants by Express

We recommend this mode of transit where quantities are 12 plants or over. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

Order for Seeds

The numbers in left-hand column indicate varieties of which we offer seed. The number is a sufficient designation and more acceptable to us than the name when ordering seeds. Where no number appears, we offer plants only. In many cases we offer both seeds and plants.

ACAENA ×

Dwarf, spreading perennial with inconspicuous green flowers. Cultivated in rockeries for their showy crimson spines, which last all season. 2 in.

7002 **Glauca.** Silvery blue foliage. **Seeds,** 25c per pkt.

7003 **Microphylla.** Leaves small, pale green with compact, cushion-like growth. **Seeds,** 25c per pkt.

ACANTHUS

7000 **Latifolius.** 3 ft. August. Handsome foliage plant, broad deeply cut green leaves; beautiful for solitary plants or groups in lawn or border. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50, 100, $15.00.

ACONITUM (Monkshood)

Aconitums need rich, acid soil and prefer shade. Seed may be sown in the fall, as it germinates slowly. They should not be moved when once established and require a mulch in winter. They are valuable for their rich blues, among the few true blues found in flowers. The roots are poisonous.

7015 **Fischeri.** 2 ft. September. Dwarf, dark blue, hardiest of all. **Seeds,** 15c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

Spark's Variety. 2½-3 ft. July-August. Darkest blue. **Plants,** 3 for $1.00; doz., $3.50.

7020 **Napellus.** 3-4 ft. July-August. Upright spike of dark blue flowers. **Seeds,** 10 per pkt.

7025 **Wilsoni.** 4-6 ft. Sept.-Oct. Tall, autumn flowering, mauve, fine for cutting. **Seeds,** pkt., 15c.

ADLUMIA (Alleghany Vine)

7030 **Cirrhosa.** 15 ft. June. The feathery foliage is like the Maiden-hair Fern. Delicate rose pink and white flowers cover the plant. It is a biennial, but in favorable spots will self sow. Prefers shade. **Seeds,** 10c per pkt.

ADONIS ×

7035 **Vernalis.** 18 in. April-May. Large yellow flowers, with attractive foliage. Prefers moist location. Seed germinates slowly. **Seeds,** 10c per pkt.

7012 ACHILLEA Perry's White. Seeds, pkt., 25c.

ACHILLEA (Milfoil. Yarrow)

Achilleas grow readily from seed in sunny, well-drained positions, except the varieties marked × which should have rock garden conditions. They are fine border flowers and several are excellent for cutting.

7007 × **Ageratum.** 1 to 2 ft. A pretty alpine of compact habit, with leaves like Ageratum. Yellow, sweet-scented. **Seeds,** 15c per pkt.

Boule de Neige (Ball of Snow). 2 ft. June-Sept. White. Fine cut flower variety. **Plants,** 3 for 85c; doz. $2.50; 100, $15.00.

7008 **Eupatorium Parker's Variety.** 2½ to 3 ft. June-Sept. Clear yellow flower-heads. **Seeds,** 15c per pkt.

7009 **Millefolium Kelwayi.** 2 ft. Carmine rose. **Seeds,** 35c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**Crimson Beauty.** 2 ft. A great improvement over Millefolium Kelwayi. Dark rose, free flowering. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7011 **Ruber.** 2 ft. Magenta red. Pkt., 25c.

7010 **The Pearl.** 2 ft. June to August. Pure white, double flowers, fine for cutting. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50.

7013 × **Tomentosa Aurea.** 8-10 in. A woolly carpet-like plant for rockeries. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7012 **Perry's White.** 2 ft. Improved "The Pearl," larger and more double. Excels for cutting. **Seeds,** 25c per pkt.

AETHIONEMA ×

Dwarf shrubs for hardy herbaceous border or rockery.

7038 **Grandiflorum.** May to Aug. Prostrate branches, rose flowers in crowded racemes. **Seeds,** 25c per pkt.

7073 ANCHUSA Myosotidiflora. Seeds, pkt., 35c. Plants, 3 for 85c.

ANCHUSA

The tall varieties are among the few good border subjects with blue flowers; Myosotidiflora is one of the few fine perennials which blossom with the late tulips.

7070 **Italica, Dropmore Variety.** 5 ft. June-July. Beautiful gentian-blue flowers. Thrives best in partial shade. **Seeds,** 15c per pkt. **Plants,** 3 for 65c; doz., $2.00, 100, $12.00.

7069 **—Lisadell.** 6 ft. Large, clear gentian-blue flowers. **Seeds,** 25c per pkt.

7072 **—Opal.** 3-5 ft. June-July. A lustrous light blue. **Seeds,** 15c per pkt.

7073 × **Myosotidiflora.** 1 ft. April-May. When the late tulips are in flower it forms a mound of attractive foliage almost hidden by pale blue forget-me-not blossoms, held above the foliage on straight stems. **Seeds** (50 seeds), 35c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

AGATHEA

7040 **Coelestis (Blue Daisy).** 1½ ft. June. Flowers sky-blue with yellow disk. Useful in the border, for bedding and as a potplant; half hardy. Pkt., 10c.

AGROSTEMMA

7045 × **Coronaria Varieties Mixed.** 1 to 2 ft. June-Sept. Attractive free flowering, producing bright-colored flowers on long, slender stems like a single pink; blooms the first season; fine for cutting. Silvery foliage. **Seeds,** 10c per pkt.

7048 × **Coronaria Atrosanguinea.** Blood-red, silvery white leaves. **Seeds,** 10c per pkt.

7049 **Hybrida Walkeri.** Brilliant rosy-crimson flowers. June to Aug. **Seeds,** 10c per pkt.

7050 **Flos Jovis.** 1 ft. Rosy purple flowers in summer. **Seeds,** 10c per pkt.

AJUGA (Bugleweed)

A useful plant for the rockery and for carpeting the ground, particularly in shady positions, as under trees where grass will not grow.

×**Reptans.** 3 to 4 in. May-June. Brilliant bronzy-purple foliage and blue flowers. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

×**Reptans Rubra.** 4 in. May-June. Dark bronze foliage, blue flowers. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

×**Brockbanki.** 4 in. May-June. Dark blue flowers. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

ALLIUM

7051 **Pulchellum.** × 1½ ft. Graceful, narrow pale green leaves at the base of erect flowering stems which yield in full summer clusters of rosy-violet blooms. **Seeds,** 25c per pkt.

ALSTROEMERIA

Narrow lance-shaped leaves and richly marked flowers borne in terminal umbels on long wiry stems in summer and fall. Flowers last a week or ten days in water. Seed germinates slowly. They require winter protection.

7052 **Aurantiaca.** 2-3 ft. Flowers orange streaked with red. Quite hardy. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

7053 **Pulchella.** 2-3 ft. St. Martin's Flower. Flowers purplish on outside, edges sulphur-white, with fine yellow upper segments dotted with deep red spots. **Seeds,** 25c per pkt.

ANTENNARIA

7107 **Margaritacea.** White Everlasting. 2 ft. **Seeds,** 15c per pkt.

7055 ALYSSUM Saxatile. Seeds, pkt., 10c. Plants, 3 for 65c.

ALYSSUM (Madwort)

Showy free flowering spring-blooming plants, valuable for front row in border or rock garden.

7054 ×**Argenteum.** 1 ft. Dwarf, dense grower, yellow flowers, in bloom all summer, leaves silvery underneath. **Seeds,** 10c per pkt.

7055 ×**Saxatile Compactum (Basket of Gold).** 9 in. May-June. Producing masses of golden flowers very early. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7056 ×—**Compactum Sulphureum.** Pale lemon-colored flowers. **Seeds,** 15c per pkt.

7058 **Rostratum.** 20 inches. Flowers deep yellow in dense heads which fairly cover the plant in summer. Leaves 2 inches long, broad and oblong pointed and hairy. **Seeds,** 25c per pkt.

7059 **Serpyllifolium (Thyme leaved).** 3-4 in. Flowers pale yellow in simple racemes. April to June. **Seeds,** 15c per pkt.

AMPELOPSIS

7060 **Veitchii (Boston Ivy).** Small leaved, self-clinging, hardy vine. **Seeds,** 10c per pkt.; 50c per oz. **For Plants see Hardy Vines, page 98.**

7114 ANTHEMIS Tinctoria Perry's Variety. Seeds, pkt., 25c. Plants, 3 for 85c.

ANTHEMIS (Marguerite)

Free-flowering perennials with attractive cut foliage and large daisy-like flowers. Succeed in poor soil but need full sun.

7110 **Kelwayi.** 2 ft. Daisy-like lemon-yellow blossoms, produced all summer. Excellent for cutting. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7111 **—Alba.** 3 ft. Hardy white Marguerite. Pkt., 15c.

7113 ×**Montana.** 9 in. Silvery tufted foliage with white flowers. April to July. **Seeds,** 15c per pkt.

7115 **Tinctoria.** 2-3 ft. Bright yellow shading to white. June-Oct. **Seeds,** 10c per pkt.

7114 **Tinctoria Perry's Variety.** 2 ft. A recent introduction. Large lemon-yellow daisies, in bloom all summer. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

ANTIRRHINUM ×

7116 **Asarina.** 6 in. July. A free flowering creeping snapdragon for sunny rock gardens. Cream color **Seeds,** 25c per pkt.

Delicate Flowered Anemones

ANEMONE (Wind Flower)

This interesting family furnishes a remarkable variety of showy garden subjects. Seeds germinate slowly. Some varieties flower in the spring; and the Japanese anemonies are among the most beautiful of fall flowering perennials.

7075 ×**Coronaria (Poppy Anemone). Mixed colors.** Early spring-June. 6-12 in. **Seeds,** pkt., 10c.

7074 **—Blue. Seeds,** 25c per pkt.

7080 ×—**St. Brigid's Strain.** May-June. Double and single mixed. 12 in. A beautiful selection in a wonderful array of colors. **Seeds,** pkt., 20c.

7079—**Double Chrysanthemum Flowered. Seeds,** pkt., 20c.

7077—**His Excellency.** A large single scarlet flower. **Seeds,** pkt., 25c.

7090 ×**Pulsatilla (Pasque Flower).** 1 ft. April-May. Flowers varying from lilac to purple. Should not be disturbed for several years. **Seeds,** pkt., 10c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7095 ×—**Rubra.** 6 to 9 in. April-May. Dark red, erect flowers. **Seeds,** pkt., 15c.

7100 ×**Sylvestris (Snowdrop Windflower).** 1 to 1½ ft. Large, nodding, sweet-scented white flowers, tinged lavender. April-May. **Seeds,** pkt., 15c.

ANEMONE (Japanese Windflower). A valuable and beautiful species 2 to 3 ft. tall, blooming freely from late August till severe frosts. One of the most important garden plants; the graceful blooms, often 3 inches across, borne on long stems make a wonderful display and are fine for cutting. They prefer shade, moisture, a fertile and well drained location. Protect in winter. When once established they should not be disturbed, will gain in size and beauty each year.

—**Alba.** White, yellow center.
—**Alice.** Silvery rose-pink.
—**Hupehensis.** Rose-pink.
—**Lorelei.** Lilac rose, semi-double.
—**Queen Charlotte.** La France pink, semi-double.
—**Richard Arends.** Large shell pink.
—**Whirlwind.** Full double white.

Plants, any of above Anemone Japonica, 3 for $1.00; doz., $3.50; 100, $25.00.

Japanese Anemone Collection No. 64

One plant each of 4 varieties our selection for $1.20.

ANEMONE Japonica. Plants, 3 for $1.00.

ARENARIA

These are extremely pretty little alpine plants and will thrive in any ordinary soil in exposed places.

7214 ×**Montana.** 6 inches. Grows in close tufts, profusely covered with small silvery white flowers which appear quite early in the season. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7195 ARABIS Alpina. Seeds, pkt., 10c. Plants, 3 for 65c.

ARABIS (Rock Cress)

Spreading dwarf, spring-flowering plants. They do well in any soil, but need plenty of sun.

7195 ×**Alpina.** 1 ft. April. Pure white flowers. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7197 ×—**Rosea.** 8 in. May. Compact rosettes of foliage and pink flowers. **Seeds,** 35c per pkt.

7196 ×—**Compacta.** 10 in. May. Compact growing type, white flower. **Seeds,** 15c per pkt.

7198 ×—**Grandiflora Superba.** 1 ft. May. Large flowered white variety. Pkt., 15c.

ARISTOLOCHIA

7200 **Sipho (Dutchman's Pipe).** 30 ft. Very large, showy foliage. One of the best climbing plants grown. Flowers shape of a Dutchman's pipe, hence its name. Rich soil is the best. Requires protection in winter. **Seeds,** (10 seeds) 20c per pkt. For **Roots,** see Hardy Vines page 98.

ARNICA

7215 ×**Montana.** 1 ft. **Mountain Tobacco.** Flower heads yellow, 3 or 4 together, about 2 inches diameter, ray florets, numerous. July. Habit tufted. Very handsome but rare plant. Excellent for rockery. **Seeds,** 15c per pkt.

ARTEMISIA

Lactiflora. 4 to 4½ ft. Sept.-Oct. A great acquisition to herbaceous borders or wild garden, producing elegant spikes of white flowers on stout stems; the whole plant has the appearance of an ornamental flowering shrub. Graceful for bouquets, etc. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

Silver King. 3 ft. Is comparatively new in gardens. Its striking gray stems and leaves and rapid branching habit stamp it as unique among foliage plants. The flowers are insignificant, but it makes up for this lack by its slender ghost-like appearance. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

ASPARAGUS

7221 **Verticillatus (Hardy Asparagus Vine).** 10 to 15 ft. Blooms freely and has abundance of red berries late in summer. Fine to cut and use in bouquets. Perfectly hardy, requiring no protection. Vines die down to ground each year. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

ASPERULA

Pretty white flowered perennials with square stems, whorled leaves and four-lobed flowers, do best in shade.

7222A **Hexaphylla.** 3 ft. White flowers in a delicate misty spray and may be used with sweet peas and other cut flowers to lighten the effect. Pkt., 15c.

7222 ×**Odorata (Woodruff or Waldmeister).** 6 to 8 inches. June. A fine ground cover for shady moist places, its dried leaves have a new mown hay fragrance and if laid among linens or clothing it repels insects and perfumes the garments. Seeds germinate slowly. **Seeds,** 10c per pkt.

ASCLEPIAS (Butterfly Weed)

7220 **Tuberosa.** 2 ft. One of showiest of our native perennials, producing from July until frost, compact umbels of brilliant orange flowers, with purplish stems and hairy leaves. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Dainty Columbines

AQUILEGIA (Columbine)

To the exquisite daintiness and poetic beauty of these flowers, modern strains have added a wonderful range of colors, both of soft pastel and brilliant tones. They are easily grown from seed, prefer light shade, and thrive in any fairly rich soil.

7119 ×**Alpina.** Blue. 2 ft. April-July. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50.

7120 **Canadensis (American Columbine).** 1 to 2 ft. May-July. Handsome scarlet and orange flowers. **Seeds,** 10c per pkt.

7121 **California Hybrids.** 3 ft. Flowers large, long spurred, dark carmine-lake with light yellow corolla. Pkt., 20c.

7125 **Chrysantha.** 3 to 4 ft. May-August. Yellow, long spurred. **Seeds,** 15c per pkt.

7127 —**Grandiflora Sulphurea.** 3 ft. Soft sulphur-yellow flowers. Pkt., 25c.

7130 —**Fl. Pl.** 3 ft. Double golden yellow. Pkt., 15c.

7135 —**Grandiflora Alba.** 3 ft. Large flowering, pure white, long spurs. **Seeds,** 15c per pkt.

7126 —**Silver Queen.** 3 ft. Long spurred silvery white flowers. **Seeds,** 25c per pkt.

7140 **Coerulea (Rocky Mountain Columbine).** 1 to 2 ft. April-July. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7145 —**Rosea (Rose Queen).** 2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers. **Seeds,** 25c per pkt.

7150 **Mrs. Scott Elliott's Strain of Long-Spurred Hybrids.** The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc., with soft pastel tones dominating. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00. Two year clumps, 3 for $1.00; doz., $3.50; 100, $25.00.

7151 **Dobbie's Imperial Hybrids.** A strain with large flowers in strong, brilliant tones of every hue. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00. Two year clumps, 3 for $1.25; doz., $4.00; 100, $25.00.

7153 **Farquhar Pink.** 2 ft. Beautiful pink with lighter centers and creamy anthers. **Seeds,** 25c per pkt.

7154 **Glandulosa Vera.** 3 ft. Bright sky-blue with white corolla. Pkt., 50c.

7152 **Jaetschaui.** 3 ft. Large-flowered yellow with long, red spurs. **Seeds,** 25c per pkt.

7165 **Skinneri (Mexican Columbine).** 2 to 3 ft. June-August. Large scarlet and yellow flowers. **Seeds,** 15c per pkt., **Plants,** 3 for 85c; doz., $2.50.

7171 **Edelweiss.** 16 to 20 inches. The plants are covered with large erect snow-white blossoms. Pkt., 25c.

7175 **Single Mixed.** Many varieties. Pkt., 10c.

7180 **Double Mixed.** **Seeds,** 10c per pkt.

7190 **AQUILEGIA VAUGHAN'S SPECIAL MIXTURE** includes all the varieties mentioned and many new colors not found in any named collection. **Seeds,** 25c per pkt.

ASTER Climax. Plants, 3 for 65c.

7150 AQUILEGIA Mrs. Scott Elliott's Strain of Long-Spurred Hybrids. Seeds, pkt., 25c. Plants, 3 for 85c.

ASPHODELINE (Asphodelus)

7223 **Lutea.** 2 to 4 ft. Ornamental tufts of glaucous blue foliage, terminal spikes of attractive golden yellow flowers, unique for naturalizing. June-July. **Seeds,** 15c per pkt.

ASTER

Native in this country, the hardy asters have been developed abroad to become the chief reliance of British gardens for early fall color. They are even more successful with us, producing masses of lavender, pink or white blossoms up until November, at a season when other flowers are scarce.

DWARF ALPINES

7226 ×**Alpinus Goliath.** 6 to 10 inches. May-June. Large showy bluish-purple flowers with yellow center. **Seeds,** pkt., 20c.

7227 ×—**Nixe.** Light blue, star-shaped, 12 in. **Seeds,** pkt., 15c.

7227A ×—**Mixed.** 5 to 10 inches. May-June. Large lavender-blue and white flowers. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7224 **Amellus Hybridus.** 2½ ft. New named varieties finest mixed. **Seeds,** pkt., 25c.

×**Amellus Gloria Compacta.** 12 in. Sept.-Oct. Dwarf bushy plants literally covered with mauve-pink blooms. Fine for rockery. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

7228 ×**Subcoeruleus.** 15 inches. June-July. Forms a dense tuft of leaves from which issue many leafless stems bearing azure blue daisy-like flowers 3 in. in diameter with golden centers. **Seeds,** pkt., 20c. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7225 **Perennial, Large-Flowering Mixed.** 3-5 ft. Sept.-Oct. Various shades of blue. **Seeds,** pkt., 25c.

MICHAELMAS DAISIES

Abendrothe. 3 to 5 ft. Oct. Beautiful deep rose. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

Barr's Pink. 4 to 5 ft. Sept.-Oct. Bright pink. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Climax. 5 ft. Oct. One of the showiest, with pyramidal spikes of large, light lavender-blue flowers, with gold centers, very free blooming. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

White Lady. 5 ft. October. Pure white. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

Mrs. Raynor. 3½ ft. October. A very showy variety almost crimson and literally covered with large semi-double blooms. Heavy foliage and full branching. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Elta. 3 ft. The clear lavender flowers are borne in clusters on dark green glossy stems. Semi-double. Does not wilt after cutting. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

Queen Mary. 3 ft. The finest blue fall Aster. Its flowers are large, often 2½ inches across, and of a very pleasing blue. The heads are branching. Will thrive in any ordinary soil in sun. Flowers in October. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

St. Egwin. 2 ft. Sept.-Oct. Densely branched with showy pale pink flowers in profusion. Very even growth habit. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Sunset. 2 ft. Bushy growth completely covered with soft rose-pink flowers in late September. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7217 ARMERIA Bee's Ruby. Seeds, pkt., 25c. Plants, 3 for $1.50.

7230 AUBRIETIA Large Flowering Hybrids. Seeds, pkt., 25c. Plants, 3 for 85c.

7235 BAPTISIA Australis. Seeds, pkt., 10c. Plants, 3 for 65c.

7251 BUDDLEIA Variabilis. Seeds, pkt., 15c. Plants, 3 for 85c.

ARMERIA (Thrift, Sea Pink)

Dwarf-growing perennials with grassy leaves and a tufted habit of growth. The flowers are borne in globular heads during May and July, and the plants are suitable for edgings to borders.

7205 ×**Alpina.** 1 ft. July. Deep rose flowers. Pkt., 10c.

7217 ×**Bee's Ruby.** A giant flowered type with deep glowing ruby blooms on stout 12-inch stems. **Seeds,** 25c per pkt. **Plants,** 3 for $1.50; doz., $5.00; 100, $20.00.

7210 ×**Formosa.** 24 in. Pretty rose-pink. Pkt., 10c.

7211 ×**Formosa Hybrida.** 24 in. Shades of pink. Blooms early summer **Seeds,** 15c per pkt.

7218 ×**Laucheana.** 6 in. June-Aug. Crimson flowers. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7219 ×**Maritima.** 1 ft. May-June. Silvery pink flowers. **Seeds,** 15c per pkt.

AUBRIETIA

One of the daintiest and most delicately beautiful of all dwarf, creeping plants for carpeting beds or rockeries, forming brilliant sheets of blue, crimson or rose for many weeks. A gem for planting in crevices of rocks or wall, forming a cataract of color. 6 in.

7231 ×**Bougainvillei.** Flowers are light violet purple. **Seeds,** 25c per pkt.

7231A **Deltoidea.** Light purple. Pkt., 25c.

7231B —**Eyrei.** Fine large blue. **Seeds,** 25c per pkt.

7232 ×**Graeca.** Light blue, dwarf, floriferous. **Seeds,** 25c per pkt.

7233 ×**Leichtlinii.** Large-flowered, rosy lilac. **Seeds,** 25c per pkt.

7233A **Rosea Grandiflora.** Pkt., 25c.

7234 **Whitewell Gem.** Glowing rosy purple with slight tinge of blue. **Seeds,** 25c per pkt.

7230 ×**Large-Flowered Hybrids, Mixed.** A wonderfully fine strain, producing a good range of colors. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

BELLIS PERENNIS
English Daisy

A low-growing, spring-flowering, semi-hardy perennial. Loves a shady place and will bloom for years if protected over the winters. Illustrated in color on page 35, where seeds are offered.

×**Best Mixed.** **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

BIGNONIA

7237 **Radicans (Trumpet Vine).** A robust, tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. A very rapid and hardy grower. **Seeds,** 15c per pkt.

BLUE ARABIS—See Aubrietia Bougainvillei.

BOCCONIA

7240 **Cordata (Plume Poppy).** 5 ft. Summer. A handsome border plant, having large lobed heart-shaped leaves with silvery under surface and flower plumes of a pretty cream color. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

A GOOD COMBINATION
TITHONIA SPECIOSA
EUPATORIUM COELESTINUM

BAPTISIA

7235 **Australis (False Indigo).** Forms a spreading bush 3 to 4 ft. high with dark bluish green leaves, cut very deeply to form three oval leaflets, and bears its Lupin-like blue flowers in dainty branching spikes in June and July. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

BOLTONIA (False Chamomile)

They are among the relatively few fall flowering perennials, and both the white and lavender varieties are effective as background plants in the border. They have decorative grayish foliage and bear small star-flowers in large clusters. They make good cut flowers.

7245 **Asteroides.** 4-6 ft. July-Oct. White. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7250 **Latisquama.** 4-5 ft. July-Oct. Delicate pink. **Seeds,** 15c per pkt.

7249 **Latisquama Nana.** Same as preceding except in height. These grow only 2 to 3 ft. and upright in habit. **Seeds,** 25c per pkt.

CARNATION
GRENADIN

A valuable bedding variety with double flowers blooming first year from seed if sown early. 1 ft.

7385 **Triumph, Rose.** **Seeds,** 15c per pkt.

7390 **Dark Velvety Brown.** **Seeds,** 15c per pkt.

7395 **Scarlet.** **Seeds,** 10c per pkt.

7400 **White.** **Seeds,** 20c per pkt.

7401 **Mixed.** **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7402 ×**Dwarf Red.** This is dwarfer than the one offered above and is more suitable for rock work and edging and pot culture. **Seeds,** 25c per pkt.

VIENNA DWARF

They grow evenly about 14 inches tall, are extra double and very large-flowering. The color display is magnificent Flowering period is at least 14 days earlier than any other Carnations of that class.

7410 **Rose.** **Seeds,** 15c per pkt.

7415 **Mixed.** **Seeds,** 10c per pkt.

CANDYTUFT—See Iberis, page 73.

CANTERBURY BELLS—See Campanula Medium.

7440 CHEIRANTHUS Allioni. Seeds, pkt., 10c. Plants, 3 for 65c.

BUDDLEIA (Butterfly Bush or Summer Lilac)

A small shrub bearing exquisite tapering spikes of lilac-mauve flowers; requires same protection as roses during winter. The top usually freezes back, and new growth starts from the root, like other perennials.

7251 **Variabilis Veitchiana.** 3-8 ft. July-Sept. Mauve. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

BUPHTHALMUM

Showy, hardy, herbaceous perennials with Thyme-like flowers, useful for cutting, also for mixed border.

7254 **Cordifolium (Speciosum).** 3 ft. Heart-shaped, coarsely toothed leaves, very large orange-yellow flowers with brownish center. Flowers in July. **Seeds,** 15c per pkt.

CALAMINTHA

7257 ×**Alpina.** 6 in. A very graceful little rock plant, spreading tufts of pretty foliage, spangled with lavender blue flowers. **Seeds,** 35c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

CALLIRHOE

7256 ×**Involucrata (Poppy Mallow).** A showy, trailing, hardy perennial bearing continuously from early summer until fall; large, bright crimson saucer-shaped flowers. Pkt., 15c.

CASSIA (American Senna)

7376 **Marylandica.** 3 to 4 ft. July-August. A bushy plant with large panicles of bright yellow, curiously shaped flowers in abundant auxiliary clusters. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

CATANANCHE (Cupid's Dart)

Has hoary, lance-shaped leaves, and crisp chaff-like flowers resembling those of the everlastings. Belongs to the Daisy order and is an attractive plant when in flower. Flowers are useful for cutting.

7377 **Coerulea.** 2 ft. Pretty deep blue flower. Blooms in June to Sept. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100 $12.00.

CENTAUREA (Hardheads, Knapweed)

The flower heads are like showy, ragged thistle blooms. They grow 2 to 3½ ft. tall and bloom during summer months.

7379 **Dealbata.** 2 ft. Large and striking rose-pink flowers, feathery foliage. **Seeds,** 15c per pkt.

7425 **Macrocephala.** The showiest of all, great thistle-like golden yellow flowers on stiff stems. July. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7430 **Montana Blue.** 2 ft. June-Sept. Numerous large deep blue flowers somewhat resembling the annual cornflower. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7431 —**Alba.** White. **Seeds,** 10c per pkt.

7383 **Ruthenica.** Light yellow flowers, feathery foliage, 3 ft. **Seeds,** 15c per pkt.

7384 **Rigidifolia Rosea.** Rose colored flowers. 20 in. **Seeds,** 15c per pkt.

CENTRANTHUS—See Valeriana.

CHEIRANTHUS

7440 **Allioni (Siberian Wallflower).** 1 ft. Dazzling fiery orange flowers, on stems about a foot high. Best used as a biennial as it frequently blooms itself to death. Blooms from seed the first year. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

1609 **Kewensis.** 12 in. A brilliant orange-yellow biennial which blooms freely from seed first year. **Seeds,** 25c per pkt.

1611 **Linifolius (Alpine Wallflower).** 9 in. Wallflower-like blossoms of an uncommon lilac shade. **Seeds,** 15c per pkt.

7366 CAMPANULA Rotundifolia. Seeds, pkt., 15c. Plants, 3 for 85c.

7260 CAMPANULA Carpatica. Seeds, pkt., 10c. Plants, 3 for 65c.

Interesting Campanulas

This brilliant family includes the Canterbury Bells and Cup and Saucer type, which are biennials, as well as a number of true perennials varying in height from dainty rock garden subjects 8 inches tall to the stately pyramidalis and persicifolia types which reach 6 feet. While large growing types demand rich soil, there are no flowers more thrifty or adaptable than the small and medium sized Campanulas.

CAMPANULA Calycanthema (Cup and Saucer) Mixed. Seeds, pkt., 10c.

CUP AND SAUCER

7270 **Calycanthema. Mixed colors.** 2 ft. June-Aug. 10c pkt.
7275 **—White.** Seeds, 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
7280 **—Pink.** Seeds, 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
7285 **—Blue.** Seeds, 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
7284 **—Lilac.** Seeds, 10c per pkt.

CANTERBURY BELLS

7295 **Single White.** 2 ft. June. Seeds, 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
7300 **Single Blue.** Seeds, 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
7301 **Single Lilac.** Seeds, 15c per pkt.
7305 **Single Pink.** Seeds, 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
7310 **Mixed Colors.** Seeds, 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.
7315 **Double White.** 7320 **Double Blue.**
7325 **Double Pink.** 7330 **Double Mixed.**
Each of the above, per pkt., 10c.

7259 **Alliariaefolia.** Creamy white flowers; desirable border plant. 2½ ft. Seeds, 25c per pkt.
7331 **Garganica.** Beautiful star-shaped sky blue flowers fairly cover the trailing plants, excellent for walls or rock gardens. Seeds, 35c per pkt.
7335 **Lactiflora Coerulea.** Broad-leaved. 2½-3 ft. July. Light blue. Seeds, 15c per pkt.

7260 ×**Carpatica (Harebell).** 9 in. June to Aug. Forms tufts of neat foliage above which are borne on slender erect stems, about 12 in. high, wide, cup shaped, upright blooms of a glistening light violet-blue, freely produced. Splendid for edging, dry walls and when grouped. It also does well in partial shade. Seeds, 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7265 ×**—Alba.** 9 in. July. Pure white. Seeds, 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7333 **Glomerata Superba.** Beautiful dark violet flowers borne on clusters at the top and all the way up the stalks. A splendid cut flower and border variety for full sun or partial shade. June-July. 20 in. Pkt., 25c.

7338 **Latifolia Macrantha.** 3 ft. Erect stems. large bells, violet-blue. Seeds, 15c per pkt.

7344 **Persicifolia (Peach Bells).** Blue. 2-3 ft. June-July. Fine border plant. Seeds, 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7345 **—Alba.** White. Seeds, 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7346 **—Telham Beauty.** 4 ft. It produces on long stems very large globular open flowers, of a lovely china-blue with silvery shading. Seeds, 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100 $15.00.

7347 **—Grandiflora. Large Bell.** Large blue cup-shaped flowers. 2½ ft. Seeds, 25c per pkt.

7348 **—Grandiflora Fl. Pl. Moerheimi.** Flowers large, semi-double, cup-shaped. Pure white, 2 ft. June-July. Seeds, 25c per pkt.

7350 **—Mixed.** Blue and white. Seeds, 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7351 **—Coerulea Plena.** Double blue peach bells. Height, 30 in. Seeds, 35c per pkt.

7352 **—Alba Plena.** Double white. Pkt., 35c.

7353 **—Fl. Pl. Pfitzeri.** Same as above but flowers blue. 2½ ft. Seeds, 25c per pkt.

7310 CAMPANULA (Canterbury Bell) Single. Seeds, pkt., 10c. Plants, 3 for 65c.

CAMPANULAS—Continued

7334 ×**Fragilis.** The **Basket Campanula,** similar to C. Isophylla which cannot be raised from seed. Is of prostrate trailing habit and has large pale blue flowers. It likes a well drained position with as little moisture as possible. If sown early plants will bloom the first year. Half hardy. Seeds, 25c pkt.

7340 ×**Pusilla.** Light blue bells, very free blooming 4 in. July. Pkt., 25c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7341 ×**—Alba.** Same as above, but pure white. Pkt., 25c.

7355 **Pyramidalis (Chimney Bellflower).** Blue. 5-6 ft. August-Sept. Seeds, 10c per pkt.

7360 **—White.** Seeds, 15c per pkt.

7365 **—Mixed.** Seeds, 10c per pkt.

7361 ×**Turbinata.** 6 in. A beautiful variety, forms close mats of foliage and bears large cup-shaped flowers of blue, sitting close to the plant and fairly smothering it. June-July. Seeds, 20c per pkt.

7362 ×**—Alba.** Same as above with white flowers. Seeds, 15c per pkt.

7366 ×**Rotundifolia (Blue Bells of Scotland).** 6-12 in. Matted foliage, slender, branching stems, covered with dainty frail blue flowers. Seeds, 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7367 **Trachelium. (Coventry Bells.)** 2-3 ft. Crowded heads of lavender-blue. Seeds, 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7370 **VAUGHAN'S SPECIAL MIXTURE of Campanula.** A grand assortment of all varieties. Fine for cut flowers. Seeds, ⅛ oz., 50c; 25c per pkt.

7435 CERASTIUM Tomentosum. Seeds, pkt., 15c. Plants, 3 for 85c.

CERASTIUM

7435 ×**Tomentosum (Snow in Summer).** 4 in. A low, creeping plant with the upper surface of the leaves light in color and woolly; it bears a profusion of pretty white flowers. June and July. Seeds, 15c per pkt., **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

CHINESE LANTERN PLANT—See page 76.

CEPHALARIA

7433 **Alpina (Giant Scabiosa).** 5 ft. June and July. Belongs to Teasel order. Flowers yellow on terminal heads somewhat like a Scabiosa. Good for shrubby borders. Seeds, 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

CHRYSANTHEMUMS

These hardy fall flowering chrysanthemums will bloom the first year from seed, often producing earlier blooms than possible to obtain from plants. In sections where frosts are early and winters severe, this method of propagation is advised.

7509 **Cascade or Balcony Mixed.** A new form producing drooping spikes a foot or more in length, with flowers about the size of a Climax Aster in delicate pink, rose, yellow and white mixed. Should be grown in hanging basket or in a pot set high to allow the plant to develop to full beauty. Seeds, 35c per pkt.

7450 **Early-Flowering Double Chinese Varieties.** 2 ft. A mixture of fall flowering with some especially fine colors. Seeds, 35c per pkt.

7451 **Indicum Early-Flowering Single Chinese.** 2ft. Attractive flowers in many charming shades. Seeds, 25c per pkt.

CHELONE

8319 **Barbata Praecox.** These early flowering hybrids grow about 3 to 4 ft. high, with flowers varying in shade from pink to cherry-red, in pretty spikes—a desirable cut flower. Seeds, 15c per pkt.

See also Pentstemon on page 52.

CLEMATIS Jackmanii. Plants 2 yr., each, 75c. 10 for $6.50.

Clematis

7474 **Large Flowering Hybrids.** A mixture of large flowering sorts. Seeds germinate very slowly. **Seeds,** 25c per pkt.

Davidiana. 4 ft. June-August. Delicately scented, pale blue flowers in clustered heads. **Plants,** 3 for $1.25; doz., $4.00; 100, $30.00.

Jackmanii. A strong growing hardy variety bearing large flowers of deep violet in great profusion in July. **Plants,** 2 yr., 75c; 10 for $6.50.

7473 **Paniculata (Small-Flowering).** Sept. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in Sept. when few other vines are in bloom. Seed germinates very slowly. **Seeds,** 10c per pkt. For plants see Climbing Vines, page 98.

7475 **Recta.** 2 to 3 ft. June-July. Produces fragrant, pure white flowers in very large, showy clusters. **Seeds,** 15c per pkt. **Plants,** two year, 3 for 85; doz., $2.50; 100, $15.00; three year, 3 for $1.00; doz., $3.50; 100, $20.00.

7495 COREOPSIS LANCEOLATA GRANDIFLORA. Seeds, pkt., 10c. Plants, 3 for 65c.

COREOPSIS (Tickseed)

7495 **Lanceolata Grandiflora.** 2 ft June-October Large orange-yellow flowers on long graceful stems. About the best yellow cut flower blooming incessantly. One of the perennials which will flower the first year if sown early. **Seeds,** ¼ oz., 25c; 10c per pkt. **Plants,** 3 for 65c; doz., $2.00, 100, $12.00.

7490 **Grandiflora Perry's Variety.** Flowers are larger than those of the type and are semi-double, the ray florets, rich golden-yellow in color being in two layers. **Seeds,** 25c per pkt.

7491 **Verticillata.** Heads of rich golden-yellow flowers, the ray florets numbering eight to ten, ¾ of an inch long and ½ in. wide. Leaves have a delightful feathery appearance, 18 in. **Seeds,** 25c per pkt.

For others see novelties.

× Rock Plants

CIMICIFUGA (Snake Root)

Racemosa. 4 to 8 ft. July-Aug. Tall, late-blooming. The large leaves are cut very deeply and the flowers, white, small, feathery and closely set, are borne in tall spikes. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

CONVOLVULUS

7482 ×**Mauritanicus.** 6 in. Blue with white throat; very fine plant for hanging baskets or rock garden. Rapid grower and blooms all summer. **Seeds,** 15c per pkt.

CORYDALIS

Dwarf fern-like plants with ever-blooming flowers which spread by self seeding. They will take possession of a flagged pavement, or the crevices of a wall.

7492 ×**Cheilanthifolia.** 8 in. Fern-like foliage, golden-yellow flower spikes. April-October. Pkt., 25c.

7493 ×**Lutea.** 6 in. Gray-green foliage, golden-yellow flowers, in bloom all summer. Pkt., 25c.

CRUCIANELLA

7499 ×**Stylosa.** 18 in. July. Tangled masses of elegant foliage, crowded heads of light red flowers. **Seeds,** 15c per pkt.

CYCLAMEN

7498 ×**Europaeum.** 4 in. The well known red flowering Alpine violet. Aug.-Sept. **Seeds,** 50c per pkt.

CYPRIPEDIUM (Hardy Orchid)

Hardy Orchids for the most part are shade-loving plants and delight in a soil well drained and largely composed of leaf mold, preferably acid.

Acaule (Red Lady Slipper). The plant sends up two broad, green leaves from the base and between them a stalk about a foot high bearing a single large, rose purple flower. May-June. **Plants,** 3 for 85c; doz., $2.50.

Spectabile (Showy Lady Slipper). June. It grows about 2 ft. high, bearing along the stalk several rather large roundish leaves and on top one or two quite large, rose-purple or nearly white flowers. **Plants,** 3 for $1.00; doz., $3.50.

DICENTRA (Dielytra) (Bleeding Heart or Seal Flower)

7719 **Spectabilis.** Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border and especially valuable for planting in the shade. Strong roots. **Seeds,** (germinate slowly), 35c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

DICTAMNUS (Gas Plant)

This bushy perennial with its attractive flower spikes blooms with the tall bearded iris. While its seeds germinate slowly, and do best when sown in the fall, once the plant is established it should not be moved and has been known to outlive a father, son, and grandson. Both foliage and flowers when crushed have the fragrance of a lemon. The plant oils give off a vapor which will ignite if a lighted match is held under a seed cluster on a sultry summer evening.

7720 **Fraxinella.** 3 ft. May-June. Large spikes of deep pink, purple-veined flowers. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00. **Three-year clumps,** 3 for $1.25; doz., $4.00; 100, $30.00.

7725 —**Albus.** 3 ft. May-June. Spikes of attractive pure white sweet-scented flowers. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00. **Three-year clumps,** 3 for $1.25; doz., $4.00; 100, $30.00.

7500 DAISY Shasta Alaska. Seeds, pkt., 10c. Plants, 3 for 65c.

Shasta Daisies

The name Shasta is now applied not to a single variety but to a class of hardy daisies, bearing giant flowers, all splendid border subjects, and easily grown from seed.

7500 **Alaska.** 2–2½ ft. Splendid for cutting. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

Shasta Alaska "Supreme". 2 ft. White. A large flowered, stout stemmed variety, profuse bloomer, often has second crop of flowers. Neat compact foliage, ranks as one of the best Shasta Daisies. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

7501 **Westralia.** Similar to Alaska but taller and earlier. Height 3 ft. Pkt., 15c.

×**Arcticum (Arctic Daisy).** 2 ft. Oct. An attractive clump of glossy green foliage covered in fall with a mass of white flowers, slightly suffused rose. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7462 **Maximum Conqueror.** 2 2/3 ft. Large, pure white flowers, five inches in diameter, on long stiff stems, produced in profusion. It blooms about mid-season **Seeds,** 15c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

7460 —**King Edward VII.** 2½ ft. Very large white flowers on stout stems. Blooms all summer. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7502 **Elder Daisy.** A popular variety for early cutting, flowers coming into bloom 4 or 5 weeks earlier than Alaska. Blooms are smaller with more of them to a plant. Height, 2 ft. **Seeds,** 15c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7455 **White Comet Fringed.** 2½ ft. White fringed petals. **Seeds,** 15c per pkt.

DODECATHEON (American Cowslip)

The shooting-star of midwest prairies, which makes an attractive inmate of the rockery. It prefers a moist, somewhat shady place.

7776 ×**Meadia.** 1 ft. April-June. Flowers lilac. **Seeds,** 25c per pkt. Seeds germinate slowly and unevenly.

7719 DICENTRA Spectabilis. Seeds, pkt., 35c. Plants, 3 for $1.00

7725 DICTAMNUS "Gas Plant" Seeds, pkt., 15c. Plants, 3 for 85c.

New Delphiniums

Modern hybrid delphiniums have become the dominant flowers in the perennial border of late June. In deep, rich soil, they grow six feet tall or more, with huge spikes of large flowers, varying in colors from the darkest violet to pale lavender. Lower growing types are also valuable for both border and cut flower use; the Chinese and butterfly types are fine for bedding. With hybrids, plants established several years produce the best flowers. If the bloom is cut down to the ground, a second flowering spike is produced. Cool weather is preferable for quick germination of seed.

Chinese Types

7510 **Blue Butterfly.** 16 in. Deepest blue. Pkt., 15c.
7515 **Lavender Butterfly.** Pale blue. Pkt., 15c.
7516 **White Butterfly.** Pure white with sulphury buds. **Seeds,** 15c per pkt.
7520 **Chinese Blue.** 2-3 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
7525 **—Album.** 2-3 ft. Pure white. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
7526 **—Tom Thumb Ultramarine.** 1 ft. A pretty dwarf species, with beautiful flowers in open panicles in ultramarine blue. **Seeds,** 25c per pkt.
7521 **—Azure Fairy.** 18 in. Azure blue. Pkt., 20c.
7530 **—Mixed. Seeds,** 10c per pkt.

Taller Species and Hybrids

7517 **Cardinale.** "Scarlet Larkspur," a native California species with long spikes of scarlet flowers, seed germinates slowly. 2-3 ft. Pkt., 25c.
7541 **Summer Cloud.** The flowers are pure white and come true from seed. **Seeds,** 50 seeds, 50c. **Plants,** 3 for $1.40; doz., $4.50.
7545 **Formosum.** 3 ft. June-July. Deep blue, white eye, open spike. **Seeds,** Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00. Two-year clumps, 3 for $1.00; doz., $3.50; 100, $20.00.
7550 **Belladonna Improved Cliveden Beauty.** 2 ft. June-July. Flowers exquisite shade of turquoise blue. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00. Two-year clumps, 3 for $1.00; doz., $3.50; 100, $20.00.
7551 **Bellamosum.** 3 ft. This is a dark form of the light blue Belladonna with intensely rich, deep blue flowers. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
7535 **Elatum Hybridum. Single Mixed.** 3 to 4 ft. June-August. **Seeds,** 10c per pkt.
7540 **—Double Mixed.** 3 ft. **Seeds,** 15c per pkt.
7555 **Indigo (True Blue).** 3 ft. Pure indigo-blue, comes true from seed. **Seeds,** 35c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00. Two-year clumps, 3 for $1.00; doz., $3.50; 100, $20.00.
7560 **Nudicaule.** 1-1½ ft. April-July. Dwarf brilliant scarlet flowers. Seed very slow of germination. **Seeds,** 25c per pkt.
7561 **—Lemon Gem.** Clear yellow self. Pkt., 25c.
7563 **—Chamois. Seeds,** 35c per pkt.
7565 **Zalil.** 3 ft. June-July. Sulphur yellow. Seed germinates very slowly. **Seeds,** 25c per pkt.

7569 **Wrexham Hollyhock-flowered Strain Mixed.** New giant-flowered strain of superior quality. Flowers in blue, white and pink combinations, many of them bicolor, many of them 1½ to 2 inches in diameter. Named "Hollyhock" for the height and immense blooms characteristic to this variety. A fair proportion are double and the coloring is superb. **Seeds,** 50c per pkt. **Plants,** 3 for $1.50; doz., $5.00; 100, $35.00.
7569D **Wrexham Art Shades.** Includes many pastel shades. **Seeds,** 50c per pkt.
7569A **—Deep Blue Shades. Seeds,** 50c per pkt.
7569B **—Light Blue Shades. Seeds,** 50c per pkt.
7569C **—Mid Blue Shades. Seeds,** 50c per pkt.

CHOICE SELECTED PLANTS

We select outstanding specimen plants when our fields of Wrexham Delphinium are in full bloom. They are all magnificent true double or semi-double types with bees of contrasting colors. We offer them in light blue or dark blue at 75c each; $7.50 dozen.

7569 DELPHINIUM Wrexham, Hollyhock-flowered Strain. Mixed. Seeds, pkt., 50c. Plants, 3 for $1.50.

May also be Secured in Separate Shades as Follows:
7569D Art Shades. Pkt., 50c. 7569B Light Blue Shades. Pkt., 50c.
7569A Deep Blue Shades. Pkt., 50c. 7569C Medium Blue Shades. Pkt., 50c.

7564 **Blackmore and Langdon Strain.** All the clear shades of blue with many opaline variations, with bees of contrasting colors. **Seeds,** 50c per pkt.; ⅛ oz., $1.25. **Plants,** 3 for $1.25; doz., $4.00; 100, $25.00.

7775 DIGITALIS Vaughan's Special Mixture. Seeds, pkt., 15c.

7570 **Vaughan's Gold Medal Hybrids.** This strain is especially grown for us, the seed being saved from selected plants. Many of them are double flowered, and range in color from pale lavender to indigo-blue. **Seeds,** 25c per pkt.; ⅛ oz., 75c. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

7571 **DELPHINIUM VAUGHAN'S SPECIAL MIXTURE.** This contains the Elatum varieties, both double and single, the Butterfly, Chinese and all the various kinds and will supply a wonderful array of bloom in the garden all summer long. **Seeds,** 35c per pkt.

The Stately Foxgloves

DIGITALIS (Foxglove)

These are biennials and should be sown every year. They should be wintered in a cold frame where subzero temperatures are common; and always in a well drained place, as their crowns remain green all winter. Their tall spires of brilliant color are among the border's most conspicuous ornaments.

7751 **Canariensis.** Canary yellow. Pkt., 25c.
7750 **Grandiflora.** 2 to 3 ft. June-July. Yellowish flowers marked with brown. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.
7730 **Gloxiniaeflora. White.** Flowers shaped and spotted like a gloxinia. 2-4 ft. June-July. **Seeds,** pkt., 10c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
7735 **—Pink. Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
7736 **—Isabellina.** 5 ft. A very striking variety, producing yellow flowers which gradually develop a chamois or buff shade. Pkt., 25c.
7740 **—Purple. Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
7745 **—Mixed Colors. Seeds,** 10c per pkt.
7760 **Monstrosa Mixed.** Long spikes surmounted by one enormous flower. **Seeds,** 10c per pkt.
7765 **Purpurea Mixed.** Many colors. Pkt., 10c.
7768 **The Shirley Hybrids.** 6 to 7 ft. The flowerheads are over 3 ft. long, covered with big bell-shaped blossoms. Colors range from white and shell-pink to deepest rose, many attractively dotted with crimson or chocolate. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.
7769 **Hybrida Lutzii.** 4 ft. Salmon shades. Pkt., 20c.
7775 **VAUGHAN'S SPECIAL MIXTURE of Digitalis.** The above, and other colors. Pkt., 15c.

DORONICUM (Leopard's Bane)

Showy spring flowering perennials belonging to the daisy order. Their yellow Marguerite flowers are invaluable for cutting. They have bright green, roughish, heart-shaped leaves and hairy flower stems.

7777 **Caucasicum.** 1½ ft. A showy border plant with large heads of yellow flowers. Spring. **Seeds,** 50c per pkt. **Plants,** 3 for $1.25; doz., $4.00; 100, $30.00.
7778 **Plantagineum Excelsum.** 3 ft. Large yellow flowers 4 in. diameter April to Oct. **Seeds,** (20 seeds) 50c per pkt.

7625 DIANTHUS Plumarius Vaughan's Special Mixture. Seeds, pkt., 25c. Plants, 3 for 65c.

7788 ECHINOPS Ritro (Globe Thistle). Seeds, pkt., 10c. Plants, 3 for 85c.

7796 ERIGERON Speciosus Hybridus Grandiflorus. Seeds, pkt., 20c. Plants, 3 for 85c.

All the Hardy Pinks

DIANTHUS (Hardy Garden Pink)

In the rockery and in the border the dianthus family is of value. Both flowers and grayish-green foliage are decorative, the former ranging from the tiny single blossoms of the deltoides type to large double carnations. Most of them grow easily from seed, thrive in ordinary garden soil and are perfectly hardy.

7576 ×**Allwoodii Alpinus.** Perennial Dianthus flowering the first year from seed. It is only four to six inches high, has single and semi-double flowers and contains all the Dianthus colors. Is a perfect gem for the rock garden. **Seeds,** 50c per pkt.

7575 **Allwoodii Mixed.** The flowers are about 75 per cent double and appear in all colors except yellow. The single flowers are quite as handsome as the double and have the advantage of making large clusters. It is exceptionally hardy, commencing to flower in early spring and continuing through summer and fall. **Seeds,** (25 seeds) 40c per pkt.

7579 ×**Arenarius (Sand Pink).** 6 in. Flowers pale purple, fringed. Desirable rock plant. **Seeds,** 25c per pkt.

Beatrix. A new and improved variety of ever-blooming habit. Has large, double, pale salmon pink blooms, very fragrant and giving an abundance of bloom all summer. Makes a fine border or rock plant. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

7580 ×**Caesius (Cliff Pink).** 1 ft. Flowers delicate rose pink, fragrant. **Seeds,** 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7630 ×**Atro-coccineous (Everblooming Sweet William) Cruentus.** Beautiful outdoor pink of intense crimson color; semi to full double flowers, borne on stout stems 15 to 18 inches high. Blooms continuously all summer and is useful for cutting. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50.

7582 ×**Deltoides (Maiden Pink).** 8 in. Delicate pink blossom carried above fine, feathery foliage. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7581 ×**Dentosus Hybridus (Amoor Pink).** A red Siberian variety flowering in July. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Furst Bismarck. Similar in habit of growth to Beatrix but beautiful double deep rose blooms. Fragrant and blooms all summer. **Plants,** 3 for $1.25; doz., $4.00; 100, $30.00.

7583 ×**Graniticus.** 4 in. Low growing, forming dense carpet covered with crimson flowers in May and June. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7586 ×**Neglectus (Glacier Pink).** 6 in. Flowers cherry-carmine. May-July. A wonderful rock plant. **Seeds,** (50 seeds) 25c per pkt.

The Garden Pinks

Plumarius are the old-fashioned, fragrant Garden Pinks. Fine for perennial border or rockwork.

7591 ×**Albus Plenus.** 1 2/3ft. Double white. Pkt., 25c.

7590 ×**Cyclops (Clove Pink).** 1 ft. An exquisite mixture of colors; fragrant. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7595 ×**Cyclops, Red Hybrids.** **Seeds,** 15c per pkt.

7597 ×**Cyclops Double Mixed.** **Seeds,** 25c per pkt.

7611 ×**Mrs. Sinkins.** Large double white. **Seeds,** 25c per pkt.

7605 ×**Nanus Fl. Pl.** 1 ft. Double dwarf mixed. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7609 ×**Spring Beauty.** Double giant-flowered grass pinks carnation-like in form and size and with a beautiful range of color. Very fragrant. **Seeds,** 25c per pkt.

7610 ×**Semperflorens.** Single and double, 15 in. flowers all spring and summer. Mixed colors. **Seeds,** 15c per pkt.

7613 **Scoticus fl. pl.** Double Scotch Mixed. A choice strain. **Seeds,** 35c per pkt.

7615 ×**Single Mixed.** Delicately fringed flowers. **Seeds,** 10c per pkt.

7620 ×**Double Mixed.** Fine for cutting. **Pkt.**, 10c.

7625 ×**VAUGHAN'S SPECIAL MIXTURE.** A grand selection of clove pinks of the above Plumarius type and others. **Seeds.** 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7587 **Best Rock Garden Varieties, Mixed.** Rock gardens now so popular need these low growing dianthus to brighten spots and fill in crevices with their attractive flowers. **Seeds,** 25c per pkt.

DRACOCEPHALUM (Dragon's Head)

7779 **Ruyschianum.** Dark blue flowers, 1 ft. **Seeds,** 15c per pkt.

ECHINOPS (Globe Thistle)

The flower heads are round like a ball and are entirely covered with needle-like spines. Are excellent for cutting, can be dried and will remain attractive for months. The leaves are large, deeply cut and very prickly.

7788 **Ritro.** 3-4 ft. Steel-blue flower heads. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50.

7790 **Sphaerocephalus.** 4 ft. Grayish white flowers on stout stems. **Seeds,** 10c per pkt.

EUPATORIUM Fraseri and Coelestinum.

ERIGERON (Flea Bane)

They somewhat resemble in form the hardy asters, but flower much earlier, and have attractive single flowers which are prized for cutting.

Amos Perry. (New.) 2 ft. Fine compact plant with large double blue daisy-like flowers. A fine cut flower, blooming all summer. Needs covering over winter. **Plants,** 3 for $1.50; doz., $5.00.

7796 **Speciosus Hybridus Grandiflorus.** Large flowers rich purple. 24 in. June. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7797 **Elatior.** Rosy, 24 in. May-June. **Pkt.,** 20c.

ECHINACEA (Coneflower)

Stout perennials for the border or wild garden. Flowers in July-Aug., good cut flowers.

7780 **Hybrida.** 4 ft. Flowers of various shapes, produced in a wide range of colors. **Seeds,** 15c per pkt.

7785 **Purpurea (Purple Coneflower).** 3-4 ft. A very handsome border plant bearing large heads of rosy purple flowers and dark central disc. **Seeds,** 15c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00. Two-year clumps, 3 for 85c; doz., $2.50; 100, $15.00.

7786 **Purpurea Grandiflora. Seeds, 15c per pkt.**

EDELWEISS

7791 ×**Leontopodium Alpinum.** 4-12 in. June-July. The flowers are of downy texture, pure silver-white and star-shaped. Requires a dry, sunny location with good drainage. In other words, sandy, gritty soil, with but little or no humus, and especially deficient in nitrogen. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

ERINUS

7798 ×**Alpinus.** 4 in. Pretty rosettes of foliage and racemes of rosy purple flowers. A first rate rock plant and also invaluable for establishing on old walls or between flags. May-June. **Seeds,** pkt., 35c.

ERYNGIUM (Sea Holly)

Handsome ornamental plants for flower and shrubbery borders. Flowers July to Sept. The leaves are prickly, flower heads are surrounded by spreading prickly floral bracts and the flower head itself is a small Teazel. The branches can be dried and the flowers used in winter bouquets.

7792 **Alpinum.** 2-3 ft. Shining green leaves, large light blue flowers. **Seeds,** 10c per pkt.

7793 **Amethystinum.** 1½-3 ft. Fine foliage with bluish-green shoots terminating in numerous amethyst-blue thistle-like flowers. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz. $2.50; 100, $15.00.

7795 **Planum.** 2-3 ft. Small steel-blue globular flowers; graceful decorative plant. **Seeds,** pkt., 10c.

EUPATORIUM (Thorough Wort)

Plant these vigorous, thrifty flowers in the border, or in woodland. They like light shade. Coelestinum is one of finest fall perennials, its pale lavender furnishing an excellent foil for autumn yellows. E. Ageratoides is not offered because it is poisonous, causing "milk sickness" to those who drink the milk of cows that have eaten it.

7800 **Fraseri.** 2 ft. Pure white ageratum-like flowers; does well in shade. **Seeds,** 10c per pkt.

7805 **Purpureum (Joe Pye Weed).** 6-7 ft. July-Sept. Pink flower, purple stalked. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7804 **Coelestinum (Mist Flower or Hardy Ageratum).** 2 ft. Sept.-Oct. Light blue. An excellent cut flower. **Seeds,** pkt., 25c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

FILIPENDULA Dropwort. Plants, 3 for $1.00.

7812 GAILLARDIA Burgundy. Seeds, pkt., 25c.

7852 GEUM Lady Stratheden. Seeds, pkt., 35c. Plants, 3 for 85c.

7855 GEUM Mrs. Bradshaw. Seeds, pkt., 25c. Plants, 3 for 85c.

FILIPENDULA HEXAPETALA (Spiraea Filipendula)

From a cluster of fern-like leaves, numerous flowering stalks rise one to three feet high, bearing feathery flower heads of the spiraea type. A border plant of delicate beauty.

Dropwort. 1-3 ft. June-July. Creamy white. Good for front row in hardy border. Graceful plants, both in flower and foliage. **Plants,** 3 for $1 00 doz., $3.50; 100, $20.00

FORGET-ME-NOT—See Myosotis in perennial and annual sections.

FUNKIA (Day Lily). See Hosta on page 73.

ERYSIMUM

7794 ×**Pulchellum (Fairy Wallflower).** A new dwarf species, forming close mats of dark green, later eclipsed with yellow bloom. Sandy soil. **Seeds,** 15c per pkt.

EUPHORBIA

7807 **Corollata (Milk Weed).** June-July. Small white flowers not unlike Gypsophila Elegans. **Seeds,** 15c per pkt.

7808 ×**Myrsinites.** 3 in. June-July. Distinct grey trailer, large heads of yellow flowers. **Seeds,** 25c per pkt.

7806 ×**Polychroma.** 18 in. June and July. Bright yellow flowers changing to rosy-bronze. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

FERNS

Hardy Ferns are especially suited to partial and dense shade and will flourish where grass will not grow. They make a grand effect in shady spots in any garden. Their culture is easy. If possible, add leaf mold or well decayed peat, loam and a fair proportion of sand and drainage. (Ready April 1.)

Adiantum Pedatum (Maidenhair Fern). 1 ft. The best dwarf fern.

Asplenium Filix-Foemina (Lady Fern). 2 to 3 ft. Fine delicate fronds, very hardy, will grow in the sun if soil is kept moist.

Aspidium Spinuiosum (Spinulose Wood Fern). 1½ to 2 ft. A strong grower and should be included in every Fern collection.

Onoclea Struthiopteris (Ostrich Fern). 3 to 4 ft. One of the most stately and best for cultivation; handsome dark green fronds.

Osmunda Claytoniana. 2-3 ft. A good fern for the shady corner. Fronds 7 to 12 in. wide. **Plants** of any above ferns, 3 for 85c; doz., $2.50; 100, $15.00.

GENTIANA (Gentian)

Beautiful hardy border and rock plants, with shades of blue surpassing those found in any other family of plants. Grow in moist shady situation in sandy loam. Rather difficult to establish; do not disturb after once started and do not use lime in soil Seed slow to germinate.

Andrewsii (Bottle Gentian). One of the most fascinating native plants. The flowers which are tightly closed are borne at the top of a stem from 6 to 8 in. long and are an intense deep blue. Blooms best in moist place. June-October. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7840 ×**Acaulis.** 4 in. Large bell-shaped deep blue flowers; spring blooming. **Seeds,** 20c per pkt.

7845 **Lutea (Yellow Gentian).** 4 ft. July to September. Whorls of giant yellow flowers. **Seeds,** 10c per pkt.

× Rock Plants

Gaillardias

7811 GAILLARDIA Dazzler. Seeds, pkt., 25c.

GAILLARDIA (Blanket Flower)

One of the few perennials that flower continuously from June to October, the value of the gaillardia is being constantly increased by improvements in the size and coloring of its flowers. It grows easily from seed and will flower the first year. It is perfectly hardy and will grow well in ordinary soil making a bushy plant with graceful stems 2 feet high.

7812 **Burgundy.** Shining wine-red flowers about 2½ in. in diameter, on long stiff stems, from June until Fall. Blooms from seed the same year, if sown early, comes 60% to 70% true. Pkt., 25c.

7810 **Grandiflora. Mixed.** Composite flowers, variegated with shades of red and yellow. Pkt., 10c. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7815 **—Semi-plena.** Double row of petals, yellow with red center. **Seeds,** 10c per pkt.

7811 **—Dazzler.** Large golden yellow flowers with rich maroon center. **Seeds,** 25c per pkt.

7825 **—Kermesina Splendens.** Center crimson, canary-yellow border. **Seeds,** 10c per pkt.

7836 **—Portola Hybrids.** 2½ to 3 ft. The stems are strong, and stiff. The flowers are nearly 4 in. in diameter, the petals being very broad and overlapping, of great substance; in color a brilliant scarlet with coppery hue which is intensified by the golden yellow with which each petal is heavily tipped. Pkt., 25c.

7829 **—Sibylla.** Flowers large, vivid carmine, tipped white, with dark crimson center. Pkt., 25c.

7831 **—Tangerine.** Compact grower. Large tangerine orange colored flowers. An absolutely distinct color. **Seeds,** 25c per pkt.

7835 **—New Hybrids.** Very large flowers, in a great variety of colors. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz. $2.50; 100, $15.00.

Well, here I am again. I don't know why I do it, but each Spring I send for a great many flower catalogs, but, in the end I just can't stay away from Vaughan's.—W. A. G. Route 1, Marion, Ohio.

GEUM

Geums belong to the Rose family. The species described are showy, free-flowering kinds producing a wealth of attractive flowers which are much prized for cutting. They are of a tufted habit of growth with pinnate leaves. Excellent for border culture. To avoid wilting after cutting put stems in warm water.

7851 ×**Boresii.** Producing an abundance of neat branching stems, covered with large well-formed flowers, brilliant shade of scarlet. June till late autumn. Pkt., 35c.

7850 **Coccineum Atrosanguineum Plenum.** 1½ ft. May-July. Flowers are double, bright scarlet. **Seeds,** 15c per pkt.

7852 **Lady Stratheden (Golden Ball).** Flowers loosely double; a delightful shade of golden yellow. **Seeds,** 35c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7855 ×**Mrs. Bradshaw.** 2 ft. The double orange-scarlet flowers are very large and full. June-Sept. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

GALEGA (Goat's Rue)

Herbaceous perennials belonging to the Pea order. They have pretty, pinnate foliage, and Pea-shaped flowers borne in racemes.

7839 **Hartlandi.** 4½ ft. June-Aug. Long racemes of beautiful lilac blossoms. **Seeds,** 25c per pkt.

GERBERA (Transvaal Daisy)

7846 **Jamesoni Hybrids.** 2 ft. A valuable acquisition for garden enthusiasts and requires some care to grow to best advantage. Large daisy-like blooms on long stems in shades of yellow and red. Seed should be sown singly, point up, cover slightly in greenhouse or hotbed. Transplant when leaves are one inch long. Water sparingly. Give sunny, airy location, protect in Summer in the open from rain. Needs protection over Winter. **Seeds,** (25 seeds) 25c per pkt. **Plants,** 75c each.

GILIA

7848 **Coronopifolia Mixed (Standing Cypress).** Very leafy, the divisions being needle-like about one inch long. The flowers are 1½ inches long, trumpet-shape borne along the side of the summit of the stem. The colors include vermilion, salmon, apricot, rich pinks and pure yellow. A biennial. **Seeds,** 15c per pkt.

GRASSES

The ornamental grasses can be used with telling effect either as individual specimens in the border or on the lawn. Large beds or borders planted entirely to the different varieties are attractive or when planted in clumps on the margin of ponds.

7858A **Erianthus Ravennae.** 5 to 7 ft. Hardy Pampas Grass. Producing from 30 to 50 flower-spikes. Closely resembles the Pampas Grass. Pkt., 15c.

Eulalia Japonica Variegata. 3 to 4 ft. A tall graceful variety. Its long, narrow leaf-blades are striped green-white and often pink and yellow. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Festuca Glauca. 1 ft. A pretty dwarf grass with tufts of fine bluish green foliage. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7856A **Gynerium Argenteum.** Pampas Grass. The plumes are silvery white. Perfect specimens can be obtained only in light, rich soil with moderate moisture. Not hardy in Middle West Pkt., 15c.

7859 **Uniola Latifolia (Spike Grass).** Leaves are broad and flat, often one inch wide, spikelets large and thin and when full grown droop on slender stems. Hardy perennial. **Seeds,** 15c per pkt.

GYPSOPHILA Paniculata, Bristol Fairy. Plants, each 65c.

GYPSOPHILA

Established plants, which should never be disturbed, produce cloud-like masses of small flowers in the border. They are fine for cutting and dry perfectly for winter bouquets. Dried flowers can be made to look again like fresh ones, by wrapping the dried blooms in a moist towel and keeping half a day in a cool place.

7864 **Acutifolia.** 3 ft. Pretty, useful species, flowers pale pink. **Seeds,** 15c per pkt.

7860 **Paniculata Double Snow White** A great improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. 2-3 ft. July-August. Not quite fixed, but about 25 per cent come true. The plant is difficult to propagate by division, and seedlings prove much more vigorous. **Seeds,** 25c per pkt.

7865 **—(Baby's Breath).** 2-3 ft. July-Aug. Small single flowers on branched stems, so thick as to give the plant a white lace-like effect. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00. Two-year clumps, 3 for $1.00; doz., $3.50; 100, $25.00.

—Bristol Fairy. Early double pure white large flowering perennial Baby's Breath. It is a new form, blooming much earlier than paniculata fl. pl and producing a second crop of spikes after the first have been cut. **Plants,** 65c each; 3 for $1.50; doz., $5.00.

7861 **Manginii.** Tall perennial variety with rosy-white flowers. Pkt., 15c.

7862 ×**Repens.** Dwarf white Baby's Breath Splendid in rockery. **Seeds,** 15c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7863 ×**—Rosea.** 6 in. Attractive dwarf pink or rose variety. **Seeds,** 15c per pkt.

GLOBULARIA (Globe Daisy)

Shrubby plants for the hardy garden or rockery, producing fluffy balls of blue flowers during the summer. They all require light soil in a warm, sunny position.

7857 ×**Trichosantha.** 12 in. Dark blue. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

GOLDEN ROD—See Solidago on page 78.

GUNNERA (Prickly Rhubarb)

7858 **Manicata.** 3 to 6 feet. A noble plant with huge leaves from 4 to 5 feet in diameter; requires a damp situation. A fine subject for large lawns, the bog garden, or beside pools. **Seeds,** 35c per pkt.

HEDYSARUM

7870 **Coronarium. Red, French Honeysuckle.** 2-4 ft. Attractive border plants with showy racemes of deep red, fragrant flowers. Summer. Need sun and light, well-drained soil. **Seeds,** 10c per pkt.

HESPERIS MATRONALIS (Sweet Rocket—Evening Scented Stock)

The fragrant flower heads of these thrifty flowers, somewhat resembling perennial phlox, make a fine display in the border, or in bits of woodland, for they endure light shade. Sow indoors in early spring and transplant to the open in May for flowers in June; or sow in the open in April for later flowers the same season. They grow 2 to 3 feet tall and blossom in June and July.

7930 **Purpurea.** Purple. **Seeds,** ½ oz., 30c; pkt. 10c.

7935 **—Alba.** White. **Seeds,** 10c per pkt.

7936 **—Mixed.** **Seeds,** 10c per pkt.

Taller and Larger Yellow Day Lilies

HEMEROCALLIS (Yellow Day Lily)

Development of tall, large flowered varieties blossoming in midsummer has made this family one of the dominant border plants. It is among the thriftiest of flowers, growing vigorously and spreading in any well drained soil. From six to twelve lily-like flowers, many of them fragrant, open in succession on every stem. Both tall and dwarf varieties are delightful. A succession may be had from May until August.

Aureole. 3 ft. May-June. Deep orange-yellow with bronze reverse.

Dr. Regal. Rich orange-yellow. May and June.

Flava. 3 ft. June. Clear yellow, very fragrant.

Florham. 3 ft. July. Like Flava but blooms a month later.

HEMEROCALLIS

Fulva Kwanso Fl. Pl. 3 ft. July-August. Orange shaded crimson, double.

Sovereign. 2 ft. May-June. Soft chrome-yellow shaded brown on the outside, fragrant.

Thunbergi. 3 ft. July. Fragrant large golden yellow blooms.

Plants, any of above Hemerocallis, 3 for 65c; doz., $2.00; 100, $12.00.

Hemerocallis Collection No. 72

One each of the 7 varieties above for $1.40.

HELIANTHEMUM

7906 ×**Mutabile (Rock Rose).** 8-12 in. Low-growing evergreen plants forming large clumps, completely covered with bloom during July and Aug. Pale rose changing to lilac, then to white. Excellent for rockeries. Mixed colors. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

HELLEBORUS (Christmas Rose)

7920 **Niger.** 1 ft. White flower appearing very late in season. Plant in rich loam and coarse sand with top-dressing of rotten manure. When once established do not disturb; seeds germinate very slowly. **Seeds,** 25c per pkt.

HELIANTHUS Multiflorus Plenus. Plants, 3 for 85c.

HELIANTHUS (Hardy Sunflower)

Hardy, perennial sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water.

7899 **Angustifolius (Autumn Glory).** 5 to 7 ft. The great massing branches are a sheet of solid bloom of the clearest and richest golden yellow. Flowers are like great daisies flecked with gold. Blooms very late in season after frost has killed everything else. **Seeds,** 15c per pkt.

7900 **Maximilianii.** Small and graceful flowers of deep yellow on stems 2 to 4 ft. long, blooming from August to October. **Seeds,** 25c per pkt.

7905 **Perennial Varieties, Mixed.** Pkt., 15c.

Mollis. 5 ft. Aug.-Sept. Thick velvety foliage of silvery tinge, lemon-yellow flowers. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Multiflorus Plenus. 3 to 4 ft. Aug.-Sept. Large double golden yellow flowers resembling a dahlia or a large chrysanthemum. Good for massing, for background effect and for cut flowers. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

HELIOPSIS (Orange Sunflower)

A very brilliant border plant, resembling a double sunflower; flowers are double yellow; produced on long wiry stems; an excellent cut flower.

7910 **Pitcheriana.** 3 to 4 ft. high. The flowers are of a beautiful deep golden yellow color about 2 inches in diameter; of very thick texture and blooms all summer. **Seeds,** 10c per pkt.

Scabra Gratissima. 2½ ft. July-Aug. Ochre yellow, almost double flowers, very fine for cutting. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00. Two-year clumps, each, 50c.

7915 **Scabra Zinniaeflora Plena.** 3 ft. A compact, bushy plant with semi-double yellow zinnia-like flowers in July and August. Pkt., 15c.

7916 **Soleil d'Or (Golden Sun).** Free flowering, very useful in the garden for display or cutting, golden yellow flowers. **Seeds,** 20c per pkt.

HELENIUM (Sneezewort)

To register masses of color in the border background, the heleniums and other members of the sun-flower family are most useful. They grow easily from seed, and spread rapidly. Autumn flowering varieties are especially valued for contributing autumn color tones to the garden picture.

Autumn Glow. 2-3 ft. Sept. A new variety of striking appearance. Large blooms of deep mahogany red. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

Autumnale Rubrum. 3 to 4 ft. Aug-Sept. Oxblood red changing to terra cotta. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

7875 **—Superbum.** 4-5 ft. Large clear light yellow, flowers in Sept. **Seeds,** 10c per pkt.

7876 **—Hybridum Nanum Praecox.** 3 ft. Remarkable early-blooming hybrids in bronze and crimson-brown shades. July-Sept. **Seeds,** 25c per pkt.

Golden Youth. 2½ ft. Aug.-Sept. A new variety. Golden yellow. **Plants,** 3 for $1.00; doz., $3.00; 100, $20.00.

7880 **Bigelowi.** 2 ft. Light yellow flowers borne from July to September. **Seeds,** 10c per pkt.

7885 **Hoopesii.** 1-3 ft. June. Rich orange-yellow with slightly drooping rays. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7890 **Riverton Gem.** 2 to 4 ft. Covered from August to October with brilliant old gold and splashes of darker shades, changing later to wall-flower-red. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7895 **Riverton Beauty.** 4-5 ft. Rich lemon-yellow with a large purplish cone. Aug.-Sept. **Seeds,** 25c per pkt.

Decorative Hollyhocks

7943 HEUCHERA Hybrida Grandiflora. Seeds, pkt., 35c.

HEUCHERA (Coralbells)

From a tuft of heart shaped leaves, graceful flower stalks rise bearing flowers in clusters. Beautiful both in border and rockery.

7941 ×**Brizoides Gracillima.** May-June. Bright, flesh-pink. 2 ft. Pkt., 25c. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

7940 **Sanguinea.** 2 ft. July-Aug. Long stems of large crimson-scarlet flowers. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

7943 **—Hybrida Grandiflora.** Large flowered hybrids, very fine. **Seeds,** 35c per pkt.

—New Hybrids. All shades of red and coral pink. This is a mixture which is highly spoken of because of its fine coloring, large flowers and free flowering of the plants. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

7960 HIBISCUS Mallow Marvels Mixed. Seeds, pkt., 10c. Plants, 3 for 65c.

HIBISCUS (Rose Mallow) 3 to 5 Feet

In the late summer, when perennials are few, well established plants of mallow bear their beautiful single flowers, 3 to 5 inches across, for several weeks. Aug.-Sept.

7945 **Crimson Eye.** Creamy white flowers, large crimson center. **Seeds,** 10c per pkt.

7950 **Golden Bowl.** Deep cream, with a velvety maroon center. **Seeds,** 10c per pkt.

7960 **Mallow Marvels Mixed.** **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

7965 **—Red.** **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7966 **—Pink.** **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—White. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

× Rock Plants

There is no flower more decorative. Following delphiniums in the border show, it has a long season of bloom which can be prolonged by picking off faded flowers; and a second crop will come if the first stalks are cut back. Improved strains have exquisite coloring, both in single and double types.

Double Varieties

7970	**White.**	7995	**Crimson.**
7992	**Yellow.**	8000	**Blood-Red.**
7990	**Salmon.**	7975	**Maroon.**
7980	**Rose.**	7985	**Black.**

Each of above, **Seeds,** 10c per pkt.

Plants, 3 for 85c; doz., $2.50, 100, $15.00.

8005 **Newport Pink.** The finest pure pink, exquisite shade. **Seeds,** 15c per pkt.

8004 **Lilac Beauty.** A clear bright lilac color. A new shade. **Seeds,** pkt., 25c.

8003 **Queen of Sheba.** Beautiful primrose, buff with rosy reflection. **Seeds,** pkt. 25c.

8008 **Imperator Improved.** Large frilled and fringed flowers of new colors. Pkt., 25c.

8015 **Vaughan's Prize Double Mixture.** Finest shades in perfect flowers. **Seeds,** 10c per pkt.; ¼ oz., 40c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8010 **Allegheny Mixed.** Flowers come single, semi-double and double, about 5 inches across, and are beautifully fringed. **Seeds,** 10c per pkt.

8006 **Alameda Pink.** The foliage is deep green and thick and large and is quite distinct from other varieties of hollyhock. The blossoms are very large, 4½ inches across. Blooms first year if sown early. **Seeds,** pkt., 25c.

7969 **Double Exquisite.** Mixed. New large flowers, with fringed, white margined petals. Pkt., 25c.

7971 **Kew Garden Pink or Paling Belle.** Satiny pink, 6 to 7 in., broad guard petals tufted center. Pkt., 25c.

8015 HOLLYHOCKS Vaughan's Prize Double Mixture. Seeds, pkt., 10c. Plants, 3 for 85c.

Single Varieties

More permanent and hardy than the double and if planted with a deep green background of shrubbery or evergreens they afford a most striking effect.

8045	**White.**	8040	**Rose.**
8051	**Yellow.**	8020	**Red.**
8050	**Salmon.**	8030	**Black.**
8025	**Pink.**		

Each, **Seeds,** 10c per pkt.

8055 **Mixed.** **Seeds,** ¼ oz., 30c; 10c per pkt.

HOSTA (Funkia or Day Lily)

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. 1½-2 ft. July-Aug. Effective in front of shrubbery under trees, or any shady position.

Cordata Aurea Variegata. 1 ft. Choice new variety. August. Lavender-blue. Large golden variegated. leaves. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

Coerulea (Lanceolata). 1ft. Dark blue. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Subcordata Grandiflora. Flowers white, large green leaves. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

Variegata. Good edging plant. Leaves white and green. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

HOSTA Subcordata Grandiflora. Plants, 3 for $1.00.

8080 IBERIS Sempervirens. Seeds, pkt., 15c. Plants, 3 for 85c.

HUMULUS

8059 **Lupulus.** 1 ft. Common hop. **Seeds,** 10c per pkt.

HYACINTHUS

8060 **Candicans (Cape Hyacinth).** A snow-white summer flowering Hyacinth, 3 to 5 ft. tall, surmounted with from 20 to 30 pure white bell-shaped flowers. **Seeds,** 15c per pkt.

HYPERICUM (St. John's Wort)

Moserianum. 1½ ft. A splendid shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 in. in diameter, like immense single buttercups. A most desirable plant for sunny situations. Blooms all summer **Plants,** 3 for $1.00. doz., $3.50; 100, $25.00.

INULA ×

8088 **Ensifolia.** 9 in. July-Sept. Vigorous plant and a continuous bloomer with large yellow aster-like flowers and rather coarse foliage. **Seeds,** 25c per pkt.

8088A **Glandulosa Grandiflora.** Large deep yellow heads, linear rays, very showy. **Seeds,** 15c per pkt.

8089 **Royleana.** Himalayan species, flowers rich orange, 5-6 in. across, dwarf habit, one of the best border perennials. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

IBERIS (Perennial Candytuft)

Dwarf evergreen plants, 6 to 10 in. Covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

8075 ×**Gibraltarica.** Pinkish-white. **Seeds,** 10c per pkt.

8080 ×**Sempervirens.** Flowers form a sheet of whiteness. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8079—**Snowflake.** Large, pure white flowers. **Seeds,** 25c per pkt.

8081 **Tenoreana.** 9 in. White flowers changing to pale purple. **Seeds,** 10c per pkt.

INCARVILLEA (Hardy Gloxinia)

Large rich rose Bignonia-like flowers with deep yellow throats, produced all through the summer. A hardy perennial which succeeds well in borders and is equally valuable for greenhouse decoration.

8084 **Bee's Pink.** 1½ ft. Large light rose flowers. **Seeds,** 50c per pkt.

8085 **Delavayi.** 2 ft. June. Splendid gloxinia-like flower borne in large bright rose umbels. Likes a sunny situation. Seed germinates very slowly. **Seeds,** 25c per pkt.

8086 **Grandiflora.** 1 ft. A Chinese species. Is another showy kind, with carmine flowers and bold, handsome fern-like foliage. Flowers in May and June. **Seeds,** 25c per pkt.

8087 **Grandiflora Brevipes.** 2 ft. Large flowers, bright deep rose. Very handsome. **Seeds,** 25c per pkt.

8090 IRIS Kaempferi. Seeds, pkt., 10c.

8123 LIATRIS Pycnostachya. Seeds, pkt., 25c. Plants, 3 for 85c.

IRIS

8090 **Kaempferi (Japanese Iris).** The seeds we offer have been saved from our own unrivaled collection, and should produce only varieties of the highest merit. Japanese irises grow easily from seed sown either in the spring or fall. Flowering plants are often produced the first year. They will thrive in well drained soil, but require plenty of water in the flowering season. Pool margins are a good location. **Seeds,** 10c per pkt.

8091 **Large flowering Hybrids (German).** This seed comes from the trial grounds and workshop of a specialist who has introduced many new and beautiful varieties and this seed should produce some attractive sorts. Iris seedlings usually bloom second year. **Seeds,** 50c per pkt.

8092 **Siberian.** This type of Iris resembles the Spanish and English Irises. It makes a bright show in the garden and is excellent for cutting. **Seeds,** 10c per pkt.

For Iris plants see page 83.

KNIPHOFIA—See Tritoma, page 79.

LATHYRUS LATIFOLIUS (Hardy Pea)

Very decorative climbing vines of the Pea family for growing on fences, trellis, etc., as floral screens and for cutting. Blooms all summer.

8100 **Pink Beauty.** Pale pink variety.

8105 **Rubra.** Bright rosy crimson.

8110 **White Pearl.** Large-flowering white.

8115 **Mixed.** The above colors.

Each of the above. **Seeds,** 10c per pkt. **Plants, Pink, Red or White,** 3 for 85c; doz., $2.50; 100, $15.00.

LAVANDULA

Delightfully fragrant flowers, much used when dry on account of their sweet odor.

8116 **Vera (True Lavender).** 2 ft. June-Aug. Blue. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00

8117 **—Munstead Strain.** A most valuable variety producing large sweet scented flowers in abundance. It flowers a month earlier than the common Lavender, height not exceeding 1 ft. A valuable subject for massing in small beds, fronts of borders or rock gardens. **Seeds,** 25c per pkt.

LINUM (Flax)

Flax is a lovely, airy plant. The general height is from 12 to 18 inches. The foliage and flowers are very delicate and graceful and present the appearance of a small feathery bush. The flowers are borne in great numbers all during the blooming season which lasts from May through Sept. They have the capricious habit of blooming every other day.

8124 **Narbonense.** Forms a spreading clump of attractive foliage with a profusion of azure-blue flowers with white eye. **Seeds,** 25c per pkt.

8125 **Perenne Blue.** 2 ft. May-Aug. Has dainty sky-blue flowers on graceful arching stems. Blooms short lived but are produced continuously in such profusion it creates the effect of blue sheen over the pant. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00, 100, $15.00.

8135 **—Mixed Blue and White.** **Seeds,** 10c per pkt.

8140 **Flavum.** 1-2 ft. Produces masses of golden yellow flowers from June until Sept. **Seeds,** 20c per pkt.

× Rock Plants

LIATRIS (Kansas Gay Feather)

It grows in long spikes 4 to 5 feet tall and densely covered with slender grass-like leaves of a light green. The small flowers are light rosy-purple; a peculiar habit of the Liatris is that the succession of bloom is from the top downward rather than from the lowest blooms up to the highest as in all other spike flowers.

8123 **Pycnostachya.** 4 to 5 ft. One of the choicest and boldest species. Flowers purple in dense spikes, which bloom a long time. Foliage thick and grass-like; excellent for masses in the border. July-Aug. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8118 **Spicata (Button Snakeroot).** 2 to 3 ft. Western and Southern States. Purple flowers on spike 6 to 15 in. long. July-Sept. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8119 **Scariosa.** Rare North American species. Crowded spikes of rosy purple flowers. Pkt., 15c.

LILIUM (Lily)

Lilies are easily grown from seed and very interesting in all stages of growth. If sown early in the house the L. Philippinense blooms the first year. The others usually the second year. Leaflet on culture supplied.

8159 **Gloriosum.** The colors range from pure white with yellow center through rich ivory and cream tints to deep sulphur. In some cases the unopened buds are a rich and attractive rose pink. Pkt., (50 seeds) 65c.

8160 **Mrs. Backhouse Hybrids.** The most vigorous, hardy lily of rare beauty. Growing 5-6 feet high, the benefit of its very free-flowering habit is increased by the rare colors and shades. The flowers come in purple, straw-yellow, orange, buff and many lovely combinations with contrasting marbled or dotted effect. This race represents the highest development of Lily culture. Pkt., (25 seeds) 40c.

8161 **Philippinese Formosanum.** 2 ft. It bears on slender leafy stem many long white trumpet shaped flowers slightly marked externally reddish brown with reflexing petals. Blooms from seed the first year if sown early. Pkt., (250 seeds) 35c.

8162 **Regale.** 3½ ft. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine. Blooms out-of-doors early in July, and seedling bulbs will flower the second year. Pkt., (250 seeds) 15c.

8163 **Tenuifolium (Coral Lily of Siberia).** It is a gem, perfectly hardy. One of the earliest to flower. 24 in. high with the flowers up and down on stem. Blooms are deep scarlet and have recurled petals of waxy texture. Pkt., (150 seeds) 25c,

8164 **Willmottiae.** 4 ft. Flowers vivid orange-red, the recurved petals being spotted with brown, slender foliage of a rich brown. Pkt., (40 seeds) 35c.

LINARIA (Toad Flax)

Showy free-flowering plants of a trailing habit. Good for borders, window boxes or rockeries.

8122 ×**Alpina.** 6 in. Blue, flowers in July and Aug. **Seeds,** 25c per pkt.

8119A **Canon Want.** Attains a height of 2½ to 3 ft. and the flowers that appear along the flower stems are of a pretty pale pink color. **Seeds,** 25c per pkt.

8120 ×**Cymbalaria (Kenilworth Ivy).** 3 in. Dainty lilac and orange; flowers throughout summer; trailing habit. **Seeds,** 10c per pkt.

8121 ×**Dalmatica Macedonica.** This can be described as a perennial, hardy snapdragon. The flowers are as large as the ordinary large-flowering snapdragon, bright yellow with orange lip. **Seeds,** 25c per pkt. **Plants,** 3 for 65c, doz., $2.00; 100, $12.00.

LUPINUS (Polyphyllus) 2½ to 3 ft.

In a sandy or light woods soil, slightly acid, where water can be supplied, the lupins will thrive. Their tall spikes of bloom present a delightful variety of color blending from June to September.

8170 **Albus.** Large, pure white spikes. 2-3 ft. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8165 **Blue.** 3 ft. Stately spikes of blue, Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8166 **Chocolate Soldier.** Yellow, to chocolate. Pkt., 15c.

8168 **C. M. Prichard.** Pale salmon-orange with yellow. Pkt., 15c.

8176 **Lavender Queen.** Lavender tinted pink blossoms. **Seeds,** 25c per pkt.

8169 **Luteus.** Yellow shades. Pkt., 15c.

8177 **Princess Juliana.** Lovely pink. Pkt., 25c.

8175 **Roseus.** 4 ft. Light and dark rose flowers on long stems. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8178 **Sunshine.** Clear yellow. Pkt., 25c.

8174 **Downer's Hybrids.** Perpetual flowering new hybrids. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8173 **Harkness' Regal Mixture.** A mixture of charming new colors, in which rose, buff, flesh and salmon shades predominate. Pkt., 25c.

8179 LUPINUS Polyphyllus Vaughan's Special Mixture. Seeds, pkt., 25c.

8179 **VAUGHAN'S SPECIAL MIXTURE.** This is a choice mixture of the best English and other European strains including recent novelties. Pkt., 25c.

8180 **Mixed.** Splendid value. Pkt., 10c. **Plants,** any of above Lupinus strong 1 year roots 3 for 85c; doz., $2.50; 100, $15.00.

LOBELIA

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam.

8145 **Cardinalis (Cardinal Flower).** 2 ft. July-Oct. Tufts of bronzy green foliage from which arise spikes of brilliant fiery scarlet flowers. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8146 **Syphilitica (Great Blue Lobelia).** 3 ft. Aug.-Sept. A native wild flower. Fine spikes of blue flowers streaked in white. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

LYSIMACHIA

×**Nummularia (Moneywort).** Creeping Jenny, an exceptionally good, nearly evergreen, ground cover for the rock garden. In the spring it is covered with bright yellow flowers which continue at intervals all summer. The foliage is a bright, shiny, light green that is attractive the entire year. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

Vulgaris (Golden Loosestrife). 2-3 ft. August. Sprays of golden flowers, makes a good border or background plant. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

LYTHRUM

8220 **Roseum Superbum.** 4 ft. July-Aug. A native perennial, good for massing. Flowers rosy lilac produced on long slender spikes. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

PERENNIALS, THE BOOK OF. By Alfred C. Hottes. Contents: The Perennial Garden; The Perennial Border; Garden Operations; Insects and Diseases; Propagation; For Shady Places; The Lists of Twenty-fives; Noteworthy Perennials; Hardy Ferns; Ornamental Grasses; Herbs; Index of Plant Names; Tabular Cultural Index. Over 100 illustrations. 280 pages. Cloth, **$1.50.**

8150 LUNARIA Annua. Seeds, pkt., 10c.

LUNARIA

8150 **Annua (Biennis) (Honesty or St. Peter's Penny).** Flowers purple, followed by silvery seed pods, prized for winter decoration. Annual but readily self-sows. **Seeds,** 10c per pkt.

8155 **Alba.** Pure white. **Seeds,** 10c per pkt.

LYCHNIS

LYCHNIS

A fine old-fashioned flower, bearing large heads of brilliantly colored flowers, that liven up the border during Summer and early Autumn.

8200 ×**Alpina.** 4 in. April. Close tufts olive green foliage. Clusters of rose-colored flowers. **Seeds,** 20c per pkt.

8189 **Arkwrightii.** 2 to 3 ft. English Hybrids of L. Haageana which bear their clusters of brilliant flowers on long stiff stems. The colors vary from salmon rose through all shades of pink and red to the most flaming scarlet and dark carmine. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8190 **Chalcedonica (Jerusalem Cross).** 3 ft. June-Aug. Burning Star. Flowers which are of the most fiery red imaginable appear in clusters, each individual blossom forming a maltese cross. Will bloom from seed the first year. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8196 —**Salmon Queen.** 3 ft. Beautiful salmon shade. **Seeds,** 15c per pkt.

8210 ×**Haageana Hybrids.** 1 ft. June-July. Mixed. Ranging from nearly white to bright scarlet. **Seeds,** 10c per pkt.

8215 ×**Viscaria Splendens.** 1½ ft. Makes large clumps of almost evergreen foliage. Its flowers are bright rose; useful for cut flowers. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15 00.

MALVA

Free-flowering and showy perennial (Mallows) suitable for sunny borders or the wild garden. The flowers are large, attractive, and borne in terminal clusters, and the leaves are lobed or cut.

8221 **Moschata (Musk Mallow).** 2 ft. Satiny pink flowers. June to Sept. **Seeds,** 15c per pkt.

Hardy Forgetmenot

MYOSOTIS (Forget-Me-Not) 4 to 9 in.

Lovely dwarf plant for damp places, spreading rapidly and covering the ground. Makes excellent edgings and carpetings for beds or borders of perennial plants.

We list the seeds of Alpestris varieties among annuals as they are better treated as such by those who have no hot-bed or cold frame accommodations for wintering the yearling plants.

8230 **Dissitiflora.** Rich blue, early and compact. One of the best. **Seeds,** 15c per pkt.

8240 ×**Palustris Semperflorens.** Dwarf blue, in flower from early spring until autumn. Thrives in almost any situation and is an ideal variety for rock gardens or edgings. **Seeds,** 15c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

8252 **Star of Love.** A charming dwarf compact variety, literally covered with large bright blue flowers. Dark green foliage. Height 5 inches. **Seeds,** 25c per pkt.

8248 **Marga Sacher.** The plant grows 10 inches tall and is fairly sheeted under good culture with deep sky blue flowers of an unusually large size. **Seeds,** 50c per pkt.

8245 **Vaughan's Early and Late-Flowering.** The flowers are borne on long, stiff stems. The blossoms are the most exquisite sky-blue with a delicate white center. Plants may be in bloom at any time of the year. **Seeds,** 10c per pkt.

8250 **Ruth Fisher.** It is of particularly neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage. **Seeds,** 25c per pkt.

8251 **Blue Bird.** A beautiful winter-flowering deep blue variety. **Seeds,** 25c per pkt.

MYOSOTIS—For other varieties see page 51.

MATRICARIA (Feverfew)

3205 **Capensis Fl. Pl.** The true double flowered hardy white Feverfew. Marguerite-like foliage with clusters of double pompon-flowers from June to October. One of the best all-season cut-flowers. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

MAZUS

+**Reptans.** 4 inch. A fine ground cover for the rock garden. In spring it is covered with orange throated lilac flowers that resemble a tiny hand. **Plants,** 3 for 85c; doz , $2.50; 100, $15.00.

MINT (Mentha)

Old-fashioned hardy, useful plant. 3 in. pots. **Plants,** 3 for 65c; doz., $2.00; 100, $10.00.

MONARDA (Bergamot or Bee Balm)

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers surrounded by colored bracts, and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.

Didyma. 3 ft. June-Sept. Brilliant scarlet. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8227 **Cambridge Scarlet.** Brightest glowing scarlet. July-August. **Seeds,** 25c per pkt.

8226 **Hybrida.** Mixed. 15c per pkt.

Fistulosa. 3 ft. July. Purple flowers. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

NEPETA (Mauve Catnip)

Neat bushes of small lavender-like foliage covered with terminal spikes of lavender-blue flowers, both foliage and flowers aromatic. For beds, edging or rock garden.

8254 ×**Mussini.** 1 ft May-Sept. Light blue. **Seeds,** 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

8253 **Nervosa.** A splendid plant for the larger type of rock garden and much superior for this purpose to Nepeta Mussini. The flowers are of a clear light blue and have a brighter and more attractive effect than the latter. The plant continues in bloom from mid-summer until early autumn. **Seeds,** 25c per pkt.

NIEREMBERGIA

× **Rivularis (White Cup).** 4 in. May-Sept. Dwarf, creeping rock plant bearing cup-shaped white flowers all summer. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

PERENNIAL GARDENS. By H. S. Ortloff. Following the simple directions in this book insures a perennial garden crowded with bloom, in which the colors make a perfectly blended picture. First come plans, showing how to locate and lay out the garden; then clear directions for preparing the soil, fertilizing, planting, cultivating, transplanting and propagation. 18 illustrations. 90 pages, **$1.25.**

MERTENSIA Virginica. Plants, 3 for 65c.

MERTENSIA (Blue Bells)

Virginica. 18-in. May-June. Light blue. Soft, light green stems and foliage. The flowers are reddish purple when in bud but, as the flowers open, they change to a lovely gentian-blue. They hang in drooping, nodding, graceful clusters and individual flowers are funnel-shaped. Blooms early, and cannot be shipped after May 1. Moist soil in shady location. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

8345 PHYSALIS Franchetti. Seeds, pkt., 10c. Plants, 3 for 65c.

PHYSALIS FRANCHETTI

8345 **Chinese Lantern Plant.** 1½ ft. Produces balloon-like husks the second year from seed, which turn bright red when ripe and resemble Chinese lanterns, useful in winter bouquets. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

OENOTHERA (Evening Primrose)

Showy and beautiful plants for borders, beds, etc., flowering from June to October.

8256 **Clutei.** From a large rosette of basic leaves it throws up a stout central stalk some 4 ft. in height bearing in profusion large flowers of soft yellow. Remains open all day. **Seeds,** 25c per pkt.

8255 **Fraseri.** 2-3 ft. Rich golden yellow. Glaucous foliage. **Seeds,** 10c per pkt.

8261 ×**Missouriensis (Macrocarpa).** 1 ft. Long trailing stems with large yellow flowers followed by large winged seed. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12 00.

8262 **Speciosa Rosea.** 2 ft. White turning to pink, fragrant, fine. **Seeds,** 25c per pkt.

8264 **Trichocalyx.** The plant is 12 to 15 inches high, fairly compact and branching, and bears many blooms in continuous succession. These are large, of the purest white, and adorned with golden anthers, which heightens their charm. The flowers also remain open all day. **Seeds,** 25c per pkt.

8265 **Youngii.** 1-3 ft. Deep golden yellow flowers with reddish stems. **Seeds,** 20c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

× Rock Plants

The Perennial Poppies

8286 POPPY Nudicaule Sunbeams Mixed. Seeds, pkt., 25c.

PAPAVER (Poppy)

All poppies grow easily from seed, the nudicale type flowering the first year. Orientals will not come true from seed, but a high percentage of excellent plants is produced.

8269 ×**Alpine Mixed.** 6 in. A charming miniature poppy with brilliantly colored flowers including white, pink, apricot, yellow or orange-scarlet, etc. Excellent for rockwork. **Seeds,** 35c per pkt.

Nudicaule (Iceland Poppy)

The bright colored flowers are borne on stems which rise to a foot above a tuft of fern-like leaves. Cool moist soil is necessary, and light shade preferred. If faded flowers are picked off they blossom all summer. 12 inches.

8275 ×**Yellow.** 8271 ×**Flesh.**
8282 ×**White.** 8270 ×**Mixed.**
8280 ×**Orange.**

Each of above Nudicaule varieties: per pkt., 10c.

8288 ×**Gibson's New Giant Orange.** Pkt., 20c.

8290 ×**Double Mixed.** Extra fine strain. Pkt., 15c.

8289 **Coonara Pinks.** Lovely flowers; pink, salmon pink and salmon shades. **Seeds,** 15c per pkt.

8286 ×**Sunbeams. Mixed.** This is the result of a cross between the Shirley and Nudicaule types. The flowers are charming shades of orange, salmon, maize and other tints. Pkt., 25c.

8283 —**Deep Yellow.** A large flowered and strong-growing strain, 15 to 18 inches. Pkt., 15c.

8284 —**Orange. Seeds,** per pkt., 15c.

8285 —**White. Seeds,** per pkt., 15c.

Orientale (Oriental Poppy) 3 ft. May-June

These gorgeous spring flowers, often six inches across, of vivid coloring, may be left undisturbed for years. They are beautiful with the tall bearded iris.

8300 **Annual.** A new strain which bloom the first year, if sown early. Pkt., 25c

8310 **Red.** Very striking color. Pkt., 10c.

8315 POPPY Oriental Hybrids. Seeds, pkt., 15c.

ORIENTAL POPPIES—Continued

8307 **Oriental Beauty of Livermere.** Dark ox-blood. Pkt., 25c.

8311 —**Carneum.** Light and dark salmon pink shades (70% true). **Seeds,** 25c per pkt.

8306 —**Perry's White.** 2½ ft. Large, handsome, satiny white flowers with purple-black blotch at base of each petal. **Seeds,** 25c per pkt.

—**Olympia.** Double rich scarlet. A striking new introduction. Very free blooming flowers come ten days before Royal Scarlet. **Plants,** 3 for $1.50; doz., $5.00; 100, $35.00.

8308 —**Mahoney.** Maroon, shaded, crimson. **Seeds,** 15c per pkt.

8309 —**Mrs. Perry.** Delicate salmon-rose with black blotches. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

—**Royal Scarlet. Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8312 —**The Feltham.** A strain lacking the usual black blotches at base of petals. It has scarlet, orange-scarlet, apricot, etc., but without the dark base. **Seeds,** 25c per pkt.

8305 —**Princess Victoria Louise.** Large flower, soft lilac-rose color. **Seeds,** 15c per pkt.

8315 **Oriental Hybrids. Mixed.** Pkt., 15c.

8315A **Pilosum.** 2 ft. The apricot-orange flower is most attractive. One of the easiest perennials to grow. Seed sown in August will bloom in Spring. A stunning combination planted with Tulip Bouton d'Or or Miss Willmott and Phlox Divaricata. **Seeds,** 15c per pkt.

PACHYSANDRA (Japanese Spurge)

×**Terminalis.** 4 to 6 in. Small whitish flowers in May, deep green, evergreen foliage; unsurpassable where an evergreen carpet is required. Looks well on graves, around shrubs and under trees, thrives anywhere. Greatly used for planting under trees or any place where grass will not grow. It helps Evergreens conserve moisture, holds soil on steep banks from washing, thrives in smoky city yards, spring flowering bulbs can be planted in it. Keeps green all winter and is the most satisfactory perennial for ugly, bare and shady locations. Strong Pot. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00. For planting large areas we can furnish rooted runners at $8.00 per 100.

PENTSTEMON (Beard Tongue)

They are very showy, growing from 2 feet to 4 feet high, are rather bushy and have very long, slender spikes which bear many trumpet-shaped flowers with hairy throats from whence the name "Beard Tongue."

8316 **Barbatus Torreyi (Chelone Barbata).** 3½ ft. July-August. Coral red. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8318 **Cobaea.** Large lavender-mauve flowers, handsome border plant. **Seeds,** 25c per pkt.

8317 **Coccineus.** Scarlet. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8335 **Digitalis.** 2 ft. June-July. White flowers with purple throat. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8324 **Glaber.** 3-ft. July-Sept. Blue. Pkt., 25c.

8325 **Pubescens.** 2 ft. Rosy purple. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50. 100, $15.00.

8330 **Large Flowering Newest Hybrids.** Splendid assortment of colors. **Seeds,** 15c per pkt.

8377 **Southgate Gem.** 2 ft. Long graceful stems carrying numerous rich poppy-red flowers, showing pure white throats. **Seeds,** 25c per pkt.

For other varieties see annual section.

PEONY

8339 **Chinensis Double Mixed.** Seed saved from our own collection at our nursery. Seed germinates very slowly. Keep seed bed undisturbed for one year. **Seeds,** 15c per pkt.

POLEMONIUM (Jacob's Ladder)

Free flowering hardy perennial herbs, belong to the Phlox order. They have graceful, pinnate leaves, and bear their flowers in loose heads. Showy plants for the mixed, sunny border, blossoming with the tulips.

8380 **Coeruleum (Greek Valerian).** 2 ft. Beautiful sky-blue flowers with golden anthers. April-July. Foliage fern-like. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8385 —**Album.** Pure white. Pkt., 10c.

8387 ×**Reptans.** 8 to 10 in. April-June. Dwarf bushy plant of graceful growth. Showy blue flowers. **Seeds,** 15c per pkt.

8388 **Richardsoni.** 18 in. Really a variety of pumila, has large sky-blue flowers with a yellow eye. Flowers May to Sept. **Seeds,** 25c per pkt.

PHYSOSTEGIA Vivid. Plants, 3 for 85c.

PHYSOSTEGIA (False Dragon Head)

Spikes of flowers resembling tiny snapdragons rise above attractive foliage. The variety Vivid is the last flower to survive autumn frosts. The buds and flowers grow on the stem as if growing four sides of a square; very attractive foliage. Flowers in August.

8350 **Virginica.** Dense bushes with spikes of delicate lavender pink tubular flowers. June-September. 4 ft. **Seeds,** 10c per pkt.

8355 —**Alba.** June-Sept. 3 ft. **Seeds,** 10c per pkt.

8356 —**Gigantea.** Lilac-rose. 4 ft. Pkt., 25c.

8357 —**Compacta Rosea.** Rose. 3 ft. Pkt., 25c.

Grandiflora "Vivid." 20 in. One of the best of the late-blooming perennials. It blooms three weeks later than the other Physostegias; the individual flowers are larger and of a deeper, more vivid pink, and they last a long time when cut. Stocky, many branched plants, producing heavy bloom for several weeks. **Plants,** 3 for 85c, doz., $2.50; 100, $15.00.

8360 PLATYCODON Grandiflorum. Seeds, pkt., 10c. Plants, 3 for 65c.

PLATYCODON (Chinese Bell Flower)

They resemble campanulas, with dainty bell flowers, on graceful stems, and are effective in the border foreground. They flower from June to September.

8360 **Grandiflorum.** 2-3 ft. Large, handsome, deep blue flowers. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00. Two year clumps, 3 for 85c; doz., $2.50; 100, $15.00.

8365 — **Album.** White. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

8366—**Early Flowering Blue. Seeds,** 15c per pkt

8367—**Early Flowering White. Seeds,** 15c per pkt.

8370 ×**Mariesii Blue.** 1 ft. Deep blue flowers, dwarf. **Seeds,** 10c per pkt.

8375 × — **Alba.** White. **Seeds,** 10c per pkt.

PLUMBAGO (Leadwort)

×**Larpentae.** 8 inches. Dwarf spreading habit covered with deep sky blue flowers all summer and fall. Rich color and abundance of bloom with neat foliage make this an ideal edging plant. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8443 **PYRETHRUM Roseum Hybridum Grandiflorum Mixed.** Seeds, pkt., 15c.

PYRETHRUM ROSEUM (Painted Daisy) May-June

Their large flowers, well named painted daisies, blossom with the tall iris, and continue through June. A second crop will come if the first growth is cut back. They are easily grown from seed. 1 to 2 ft.

8430 **Double Mixed.** Extra choice, selected seed. Only a small percentage will be double, balance will be semi-double and single. **Seeds,** pkt., 35c.

8437 **Comet Flowered Ostrich Feather.** Single and semi-double flowers with rolled and twisted petals. Pkt., 25c.

8440 **Grandiflorum, Single Mixed.** Pkt., 15c.

8441 **Album.** White.

8442 **Carneum.** Flesh.

8443 **Roseum.** Rose.

Each of the above 3 colors, pkt., 15c.

8436 **James Kelway.** Rich velvety blood red. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

8444 **Atro-sanguineum.** Blood-red. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8435 **Single Mixed.** **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

8427 **Cinerariaefolium.** 2 ft. White, for cutting. Persian Insect powder is secured from these flowers. **Seeds,** per pkt. 10c.

8429 **Ptarmiciflorum.** 6 in. Silvery white, feathery foliage, for pots, beds and rockeries. Pkt., 35c.

8428 **Tchihatchewii (Turfing Daisy).** White, for poor soils. **Seeds,** 15c per pkt.

PYRETHRUM ULIGINOSUM

8439 A hardy and vigorous fall daisy bearing large white flowers in September. Easily grown from seed, it spreads rapidly and makes a practical hedge. 4 ft. September. **Seeds,** 15c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

PHLOX (Hardy)

8340 **Decussata.** 2-3 ft. June-Oct. Perennial varieties mixed from a celebrated collection. Seed slow and erratic in germinating and the seedlings may not appear for a year. **Seeds,** 15c per pkt. **Plants,** see page 85.

8341 **Divaricata Canadensis.** A native species worthy of extensive planting. Blooms early April. Fragrant lavender flowers on stems 10 inches high. Prefer shade. **Seeds,** 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

POTENTILLA (Cinquefoil)

Bushy plants which are starred all summer with flowers like small single roses, blossoming through the heat of midsummer. Their foliage is a gray green, and they do well in rockeries.

8390 **Formosa.** 1-2 ft. Cherry rose-colored flowers in summer. **Seeds,** 10c per pkt.

8392 **Nepalensis Miss Willmott.** Flowers salmon-pink, very freely produced **Seeds,** 25c per pkt.

8393 **Roxana.** 1½ ft. Brilliant salmon flowers, darker veins. **Seeds,** 15c per pkt.

8400 **Double Mixed.** All colors. **Seeds,** 20c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8401 **Rupestris.** 20 in. Flowers white in June. **Seeds,** 15c per pkt.

PRUNELLA

8424 **Grandiflora Rosea.** 10 in. A pretty dwarf perennial for border. Carmine rose flowers. **Seeds,** 15c per pkt.

For the Primrose Path

PRIMULA (Primrose)

There is a growing appreciation of the beauty of the amazingly varied primrose family. Blossoming in April and May, their brilliant colors have few rivals in plantings along shady paths or in the rock garden. The seed germinate slowly and fall sowing is preferable.

Acaulis Lilacina, Fl. Pl. (Lavender Beauty). A fine new double variety, similar in habits and character to Primula Veris, but having large double lilac blooms. Has proved hardy around Chicago and has attracted much attention at Flower Shows. **Plants,** 3 for $1.50; doz., $5.00.

8402 ×**Acaulis (Vulgaris) (Common Primrose).** Flowers bright yellow; fragrant. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8403 ×**Auricula.** 6 in. Flowers in early spring in color of yellow, brown and red. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, 20.00.

8403A —**Giant Mixed.** From prize show varieties. **Seeds,** 50c per pkt.

8404 **Beesiana.** 18 in. Chinese species has woolly leaves with brilliant velvety purple flowers with a large yellow eye. Borne in whorls in April and May. **Seeds,** 35c per pkt.

8405 ×**Bullesiana Hybrida.** New hybrids of rose, orange, carmine, light and dark blue. **Seeds,** 50c per pkt.

8405A ×**Cashmiriana.** 1 ft. Flowers in dense heads, lilac in color. Blooms early. **Seeds,** 25c per pkt.

8405B **Cortusoides Grandiflora Sieboldii.** 1 ft. A Siberian species with umbels of deep rose with white eye. April. Creeping root. **Seeds,** 35c per pkt.

8405C —**Grandiflora Rosea.** **Seeds,** 35c per pkt.

8406 ×**Floribunda Grandiflora.** A large flowered yellow variety that does well in winter in pots. **Seeds,** 35c per pkt.

8407 **Florindae.** Grows 3 to 4 ft. high with huge leaves resembling Caltha Palustris. It bears from the end of June to late in August, 60 to 80 fragrant bright yellow pendant flowers at the top of its stem. Do well in full sun—heavy soil, hardy in Illinois. Pkt., 35c.

8407A **Helodoxa.** 2 ft. Tall slender spikes of golden yellow. Pkt., 50c. **Seeds,** 50c per pkt.

8408 ×**Japonica Mixed.** One of the most stately and attractive species. Several superimposed whorls of flowers on stems. 8-24 in. high. Seed germinates very slowly. June. **Seeds,** 15c per pkt.

Primula Collection No. 77

One plant each 3 varieties our selection for $1.25.

8415 **PRIMULA Veris Mixed.** Seeds, pkt., 15c. Plants, 3 for 85c.

8410 ×**Japonica. Special Strain.** Colors range through all shades of white, rose, pink, crimson, mauve and lavender, bright crimson with orange eye. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $25.00.

8413 ×**Pulverulenta.** 18 in. Shining purple-carmine flowers. As hardy as Polyanthus. **Seeds,** 35c per pkt.

8414 ×**Rosea Grandiflora.** 8 in. Rose carmine. May-June. **Seeds,** 35c per pkt.

8411 **Sikkimensis.** 15 in. Yellow sweet-scented. Pkt., 50c.

8415 ×**Veris, Mixed.** 6-9 in. The Oxlip, bearing bright flowers in umbels. Seed germinates slowly. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2 50; 100, for $15.00.

8416 ×—**Grandiflora, Mixed.** An extra choice large flowered mixed strain. **Seeds,** 25c per pkt.

8417 ×—**Munstead Strain.** A giant polyanthus in many charming light shades. Pkt., 35c.

8418 ×—**Lutea.** Yellow. **Seeds,** 25c per pkt.

PUERARIA (Kudzu Vine)

8425 **Thunbergiana (Jack - and - the - Bean - Stalk).** 50 ft. Flourishes where nothing else will grow. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderful strong growth. **Seeds,** 10c per pkt. For roots see Hardy Vines, page 98.

POTERIUM (Burnet)

Obtusum (Japanese Burnet). 3 ft. July-September. A rare plant of recent introduction. It has graceful pinnate foliage and catkin-like crimson flowers about two inches long. Very ornamental and fine for cutting. **Plants,** 50c each; 3 for $1.25; doz., $4.00; 100, $30.00.

POTERIUM Obtusum. Plants, each, 50c.

RANUNCULUS (Buttercup)

Well-known double yellow buttercup, effective either as a cut flower or grouped in the hardy borders.

8446 ×**Asiaticus.** 6-12 in. Flowers in May, variable in color, generally double in form, will bloom from seed the first year if sown early. **Seeds,** 15c per pkt.

8447 **Asiaticus Ragionieri.** A very large strain in most distinct and uncommon colors. It produces besides the double flowers a percentage of charming single and semi-double ones, excellent for cutting. **Seeds,** 25c per pkt.

Acris Fl. Pl. (Double Buttercup.) May-June Yellow. **Plants,** 3 for 85c; doz., $2.50; 100. $15.00.

×**Repens Fl. Pl.** 6 in. Double creeping Buttercup. May-June. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

REHMANNIA

8449 **Angulata.** 2 ft. Large Incarvillea-like flowers in rose and red shades. **Seeds,** 25c per pkt.

ROMNEYA

8445 **Coulteri (California Tree Poppy).** 5 ft. An exceedingly beautiful, sub-shrubby, California perennial, with glaucous, pinnatified leaves, woody stems and large, satiny, white fragrant, poppy-like flowers. The flowers often measure 6 in. in diameter, and the numerous golden stamens which fill the centers add materially to their beauty. Not hardy in middle west. **Seeds,** 15c per pkt.

RUDBECKIA (Cone Flower)

Hardy, free flowering and easily grown perennials belonging to the Daisy order. They are somewhat akin to the Sunflowers in habit. Excellent and showy plants for sunny or partially shaded borders, and for yielding flowers for cutting. Natives of N. America.

8455 **Hirta. (Black-Eyed Susan.)** 1-3 ft. **Seeds,** 10c per pkt.

8460 **Speciosa (Newmanii).** 3 ft. Rich golden yellow with central black disc. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Purpurea Grandiflora—See Echinacea Purpurea.

Laciniata Fl. Pl. (Golden Glow.) 5 to 7 ft. July-October. Yellow. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

SAXIFRAGA

8471 SALVIA Azurea Grandiflora. Seeds, pkt., 15c. Plants, 3 for 65c.

8490 SCABIOSA Caucasica. Seeds, pkt., 15c. Plants, 3 for 85c.

SEDUM Spectabile. Plants, 3 for 65c.

Saxifraga (Megasea)

The Saxifrages are one of the largest and one of the most important genus of plants, connected with Alpine gardening.

8483 ×**Aizoon.** 6 in. Flower petals cream color often spotted at the base. **Seeds,** 25c per pkt.

×**Cordifolia.** Light pink. 1 ft. May. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00. 2-year, 3 for $1.00; 3-year, 3 for $1.25.

8487 ×—**Splendens.** 2 ft. Useful little plant for rock gardens. Bright rose-pink. **Seeds,** 35c per pkt.

8484 **Perennial Species. Mixed. Seeds,** 25c per pkt.

8485 **Mossy Varieties and Species. Mixed. Seeds,** 25c per pkt.

8486A ×**Hybrida Bedding Queen.** 9 in. Deep carmine flowers. **Seeds,** 25c per pkt.

8488A ×—**Purple Robe.** 9 in. Carmine with a purple reflection. **Seeds,** 25c per pkt.

8485A ×**Hypnoides.** 3 in. **Dovedale Moss or Eve's Cushion.** Flowers white in May and June on long stout and slender stems. **Seeds,** 25c per pkt.

8488 ×**Lingulata Leichtlini.** 30 inches. Bright red rock garden subject. **Seeds,** 50c per pkt.

×**Crassifolia.** 1 ft. Large clustered leaves, graceful sprays pink flowers. April-June. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8486 ×**Decipiens Grandiflora.** 18 in. Masses of white flowers. **Seeds,** 35c per pkt.

×**Decipiens (Crimson Moss).** 4 in. Charming mossy foliage. White flowers. May-June. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8489 ×**Rhei Superba.** 12 in. Rose. May-July. **Seeds,** 35c per pkt.

SAPONARIA

8482 ×**Ocymoides Splendens.** 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. June-August. **Seeds,** 10c per pkt **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8481 **Officinalis.** 2 ft. "Bouncing Bet," a native wild flower with whitish flowers. **Seeds,** 10c per pkt.

SCUTELLARIA (Helmet Flower)

8495A ×**Baicalensis Coelestina.** Pretty blue Siberian rock plant. Dense bushy habit, abundance of light blue flowers, 1½ ft. **Seeds,** 25c per pkt.

SEMPERVIVUM (Hen and Chickens)

×**Globiferum.** Flattened rosettes 2 to 3 inches diameter, grey-green leaves tipped brown. Pale yellow flowers in June. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

×**Le Harpi.** 3 in. Rosettes tipped reddish brown. A very satisfactory variety. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

8507A ×**Perennial Hybrids Mixed. Seeds,** 50c per pkt.

×**Robustum.** Similar to Tectorum but much larger rosettes, sometimes attain a diameter of 6 in. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

×**Tectorum. House Leek.** 3 to 4-inch rosettes, leaves tipped reddish brown. Light red flowers. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

SENECIO

8506 **Clivorum Orange Queen.** 4 ft. Stately border plant; loves moisture. Rich orange flowers. July-August. **Seeds,** 25c per pkt.

8507 —**Othello.** 4 ft. A purple foliaged variety, with dark orange flowers. July-August. **Seeds,** 25c per pkt.

Salvia

Showy, hardy plants of medium growth and of easy cultivation in sunny borders. The flowers are borne in spikes, racemes, or panicles, and very attractive during the summer months.

8470 **Argentea.** 3 ft. June. Biennial, silvery white foliage, pyramids of yellow flowers. **Seeds,** 10c per pkt.

8471 **Azurea Grandiflora.** 4 ft. September-October. Stately willow-like growth, spikes of pale blue flowers in great profusion. **Seeds,** 15c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100 for $12.00.

8475 **Nemorosa Superba.** 2½ ft. Deep violet. **Seeds,** 25c per pkt.

8476 **Nutans.** 3 ft. A dark blue drooping flower. **Seeds,** 15c per pkt

8477 **Pratensis.** 2 ft. A violet blue. **Seeds,** 15c per pkt.

8474 **Turkestanica.** 4½ ft. White, bracts white to lilac. **Seeds,** 20c per pkt.

8478 **Verbascifolia Syria.** 5 ft. Makes a bold clump of foliage, the oval leaves fully one foot in length and half as broad, being dull olive-green above, deeply netted and covered on the under side with creamy white felt. Flower spikes 18 in. tall. Flowers dark blue. **Seeds,** 25c per pkt.

8480 **Patens.** 2 ft. Large, rich deep blue flowers. Roots should be dug and wintered in cold cellar. Sept. **Seeds,** 25c per pkt.

Pitcherii (Meadow Sage). 3½ ft. Sept.-Oct. Deep blue. A great improvement over Azurea, blooms three weeks later. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

Officinalis (Common Sage). 6-12 in. White-woolly. **Plants,** 3 for 65c; doz., $2.00; 100, $10.00.

SCABIOSA (Pincushion)

The perennials resemble the annuals except that the perennials have shorter florets at the center.

8490 **Caucasica Perfecta.** 18 in. Light blue flowers prettily fringed on long stem; fine for cutting. June-October. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8491 —**Alba.** White. **Seeds,** 25c per pkt.

8492 **House's New Giant Hybrids.** 18 in. June-Oct. Large flowers in various shades of blue and lavender. **Seeds,** 25c per pkt. **Plants,** 3 for $1.25; doz., $4.00; 100, $30.00.

8494 **Columbaria Delicate Pink.** Flowers measure 2 inches across—very freely produced of a beautiful shape somewhat smaller than Scabiosa Caucasica, of a deep rosy mauve almost a rose. Deeply lacinated foliage. **Seeds,** 25c per pkt.

8495 **Japonica.** 2 ft. Lavender-blue flowers. September to frost. **Seeds,** 10c per pkt.

SOLIDAGO (Golden Rod)

Hardy, free flowering, and showy perennials, all yellow-flowered borne in terminal, arching racemes. Native of North America, and members of the daisy order.

8510 **Canadensis.** 3-5 ft. Aug.-Nov. Graceefully arched sprays of golden yellow flowers. **Seeds,** 10c per pkt. Two-year clumps, 3 for $1.00; doz., $3.50; 100, $25.00.

8511 ×**Virgo-aurea Alpestris.** 10 in. Yellow, spring. **Seeds,** 15c per pkt.

SPERGULA

8512 ×**Pilifera.** 4 inches. A hardy evergreen suitable for grass edging or rockwork. **Seeds,** 35c per pkt.

STACHYS (Lamb's Ears)

8515 **Lanata.** 1-1½ ft. Grown for the effect of its dwarf, white woolly foliage; the flower spikes should be removed. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

Sedum

The species vary in habit from dwarf, creeping plants to those of larger growth, as the Spectabile, grows upwards of 2 ft. high. Some, too, are of ever-green and others of deciduous growth with more or less fleshy leaves. The dwarf kinds do well as edgings to borders and the others are suitable for grouping in the mixed border.

8501 ×**Acre (Golden Moss).** 3 in. A low spreading growth. The leaves are small, light green. The flowers bright, yellow in color, completely cover the plants in June. **Seeds,** 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

×**Aureum.** 3 in. Yellow flowers. June. Beautiful new variety. The tips or youngest growth show yellowish green giving plant the appearance of constant bloom. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

8501A **Aizoon.** 10 in. Yellow and brown, for rocks and borders. July. **Seeds,** 25c per pkt.

8504 **Anglicum.** 4 in. Foliage blue-green, numerous flower-spikes, white, with peach blossom. June-July. **Seeds,** 25c per pkt.

8505 **Hybridum.** 6 in. Yellow. **Seeds,** 25c per pkt.

×**Album.** 3 in. Thick waxy green foliage, white flowers in May-July. **Plants,** 3 for 65c; doz., $2.00.

8502 ×**Coeruleum.** Flowers pale blue, 1 in., across. **Seeds,** 25c per pkt.

×**Dasyphyllum.** 1 in. White flowers. June. Very dwarf, compact variety with grayish blue foliage. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

×**Hispanicum.** 2 in. Mossy growth with dense grayish blue foliage. **Plants,** 3 for 85c; doz., $2.50.

×**Kamtschaticum.** 8 in. July-Aug. A compact grower. Star-shaped golden flowers. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

8504A ×**Middendorfianum.** 6 in. Numerous yellow flowers. **Seeds,** 25c per pkt.

×**Muralis.** 5 in. Mossy foliage showing pink stems and turning reddish in fall. White flowers in June **Plants,** 3 for 65c; doz.. $2.00; 100, $12.00.

8504B **Mixed Many Species. Seeds,** 25c per pkt.

Pruinatum Forsterianum. 2 in. Glaucous bluish-green foliage in rosette form. Yellow flowers in July. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

8505A ×**Reflexum.** 8 in. Trailing stems, flowers yellow, ¾ in. across. **Seeds,** 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

Rubrum. 18 in. June-August. Brownish red foliage; light pink flowers. **Plants,** 3 for 85c; doz., $2.50.

×**Sarmentosum.** 5 in. Rapid grower, yellowish-green foliage. Yellow flowers, May-June. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

×**Sexangulare (Hexagon Stone Crop).** 3 in. An improved Acre. Very dark green foliage, dense and prolific. Bright yellow flowers produced in profusion during May and June. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

×**Sieboldii.** 4 in. Round succulent, glaucous foliage; bright pink flowers in August and September. Grows slowly but is probably the most beautiful of all sedums. **Plants,** 3 for 85c; doz., $2.50. 100, $15.00.

8503 ×**Spurium.** 6 in. From the Caucasus, has pink flowers which appear in July and Aug. Bronze-red foliage. **Seeds,** 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

8503A —**Coccineum Splendens.** 5 in. Creeping habit, rosy mauve. **Seeds,** 25c per pkt.

Spectabile. 18 in. Immense heads of handsome showy rose-colored flowers. **Plants,** 3 for 65c; doz. $2.00; 100, $12.00.

—**Brilliant.** 18 in. June-July. Same as Spectabile but flowers a vivid pink. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Sedum Collection No. 78

One plant each, 6 varieties, our selection, for $1.25.

8525 STOKESIA Cyanea.
Seeds, pkt., 10c. Plants, 3 for 85c.

Stokesia (Stokes' Aster)

Large flowers, resembling a single aster, make this worthwhile; it prefers a light soil, and some winter protection.

8525 **Cyanea.** 18 in. July-Oct. Flowers rich blue, very distinct. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz $2.50; 100, $15.00.

8526 **—Alba.** White. **Seeds,** 15c per pkt.

8535 **—Mixed.** Blue and white. **Seeds,** 15c per pkt.

SIDALCEA

Graceful, hardy perennials with Hollyhock-like flowers borne on slender spikes. Suitable for sunny borders. The genus belongs to the Mallow order.

8497 **Rosy Gem.** 4 ft. Produces numerous flower spikes of pretty clear rose shade. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8499 **New Hybrids.** Varying through light pink to deep rose shades. The blooms appear continuously throughout the summer months and are invaluable for cutting. **Seeds,** 15c per pkt.

SILENE (Catchfly)

A charming class of plants for the rock garden. They are closely allied to the Pink family and require much the same treatment. They bloom nearly all summer.

8508 **Alpestris.** 6 in. May to July. Sheets of glistening white flowers. **Seeds,** 25c per pkt.

8508A **Asterias Grandiflora.** 1½ ft. Globular heads of carmine-scarlet flowers. Pkt., 15c.

8508B ×**Orientalis.** 18 in. Tall, robust-growing biennial of neat habit; plants freely branched from the base, each branch carrying a large globular head of bright rose flowers, which are clove-scented. **Seeds,** 10c per pkt.

8509 ×**Schafta.** 4 in. July-October. Bright rose; one of the best autumn border plants. **Seeds,** 15c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

8509A **Saxifraga.** 10 in. June to Aug. Flowers yellowish on upper surface, reddish-brown underneath. **Seeds,** 25c per pkt.

SISYRINCHIUM

8500A ×**Anceps.** 6 in. Blue-eyed grass, deep blue flower with darker eye. **Seeds,** 15c per pkt.

TARRAGON PLANTS—See page 32.

THALICTRUM (Meadow Rue)

Though not of bright and conspicuous color, the feathery flowers of the Thalictrums are decorative and interesting, and their leaves, resembling the maiden-hair fern, are attractive both in the border and when cut. They grow easily from seed.

8540 ×**Adiantifolium.** 9 in. June-July. Light plumes of small whitish flowers. **Seeds,** 10c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8541 **Aquilegifolium. Feathered Columbine.** Handsome foliage; sepals white, stamens purple. 3 ft. Pkt., 15c **Plants,** 3 for 85c; doz., $2.50.

8545 **Dipterocarpum.** 4 to 5 ft. Aug.-Sept. Very graceful plumes of rosy-purple flowers with conspicuous yellow anthers. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

Flavum. Common yellow variety. 2-4 ft. Flowers in June. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00. Two-year clumps, 3 for $1.00; doz., $3.50.

8547 **Glaucum.** Fine cut glaucous foliage. Bronze-yellow flowers in June. 2 ft. **Seeds,** 15c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00. Two-year clumps, 3 for $1.00; doz., $3.50; 100, $25.00.

TEUCRIUM (Germander)

8538 ×**Chamaedrys.** 8 in. Grey foliage, spreading habit, small rose colored flowers. **Seeds,** 35c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

STATICE (Sea Lavender)

They are stemless, the leaves springing direct from the root stock and the flower stems are more or less twiggy, bearing their small flowers in much-branched panicles. The flowers are useful for drying for winter.

8516 **Caspia.** The multitude of small flowers composed in spikes 2 to 3 ft. long of a tender lilac color. **Seeds,** 15c per pkt.

8515A **Dumosa.** It forms densely packed cushions of pure silvery grey flowers. Their stems are stiff and wiry, the panicles are thickly covered with blossoms. 2 ft. **Seeds,** 25c per pkt.

8519 ×**Incana Nana Alba.** 1 ft. Small pearly white flowers on branching stems. **Seeds,** 15c per pkt.

8520 **Latifolia.** 2 ft. Dense branching plumes of deep blue flowers. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00. Two-year clumps, 3 for $1.00; doz., $3.50; 100, $25.00.

8517 **Perezii.** Rich bright blue. **Seeds,** 25c per pkt.

8518 **Tatarica.** White, useful for drying. Pkt., 25c.

THERMOPSIS

8548 **Caroliniana.** 3 to 5 ft. June and July. The long, graceful spikes of yellow lupin-like flowers blossom with the delphiniums and provide an excellent foil for their blues. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

TRITOMA Royal Standard.
Plants, 3 for $1.00.

TRITOMA (Red-Hot Poker)

Very handsome and showy border plants. Flowers borne in compact form on stout 3 and 4 ft. stems, having the appearance at a distance of orange and red colored spear heads. Require protection during winter, unless in a very sheltered position.

8557 **Express.** An early-flowering yellow with a red bud. **Seeds,** 25c per pkt.

Grandis (Pfitzeri). 2-3 ft. Orange-scarlet. Aug.-Sept. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8556 **Hybrida Early-Flowering Mixed.** These hybrids will contain many interesting colors and all will flower early. **Seeds,** 25c per pkt.

Royal Standard. New. Golden yellow base, brilliant scarlet top. **Plants,** 3 for $1.00; doz., $3.50.

8555 **Uvaria Grandiflora.** 4 ft. August-November. The ordinary red Tritoma. **Seeds,** 15c per pkt.

THALICTRUM

7715 SWEET WILLIAM Vaughan's Special Mixture. Seeds, pkt., 25c. Plants, 3 for 65c.

Sweet William

(Dianthus Barbatus)

Among the early hardy plants, they are outstanding. Sow annually, as they are biennials. They appreciate rich soil. 18-24 inches. May-June.

7640 **Copper Red.** A new and rich color. Pkt., 15c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00

7645 **Diadematus.** Crimson with large white eye. Pkt., 10c.

7650 **Johnson's Giant.** The range of color includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7655 **Nigrescens.** Almost black. **Seeds,** 10c per pkt.

7660 **Pink Beauty (Newport Pink).** Pkt., 10c. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7661 **Purple Beauty.** Bright deep purple. **Seeds,** 25c per pkt.

7635 **Scarlet Beauty.** A charming and distinct color. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

7665 **Single Albus.** White. **Seeds,** 10c per pkt.

7670 **—Atro-sanguineus.** Blood-red. Pkt., 10c. per pkt.

7675 **—Roseus.** Pink. **Seeds,** 10c per pkt.

7676 **—Turkey Red.** **Seeds,** 10c per pkt.

7685 **—Giant-Flowered Mixed.** Pkt., 10c.

7686 **—Dwarf Mixed.** **Seeds,** 10c per pkt.

Double Varieties

Seedings of all double Sweet William produce about 40% of single blooming plants.

7690 **White.**
7695 **Rose.**
7700 **Blood-Red.**
7703 **Nigrescens (Black).**
7705 **Mixed.**

Seeds, each of above, pkt. 10c.

7710 **Double Giant-Flowered Mixed.** Pkt., 15c.

7715 **VAUGHAN'S SPECIAL MIXTURE, Sweet William.** A mixture of all the beautiful varieties here listed and others. **Seeds,** 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

TRADESCANTIA

Virginiana (Spiderwort). 2 ft. A native parennial. Long grass-like leaves and blue or violet flowers consisting of three sepal-like segments and three petal-like ones borne in dense umbels. May-August. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

Heavenly Blue. 2 ft. All summer. A new hybrid variety having large sky-blue flowers. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

Leonora. 2 ft. All summer. Resembles Heavenly Blue but has dark blue flowers. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

THYMUS (Mountain Thyme)

×**Citriodorus (Lemon Thyme).** 4 in. Bright green foliage, red flowers. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

8549 ×**Serpyllum. Wild Thyme.** Dwarf growing perennial herb with fragrant foliage. Delights in sunny spot, creeping habit. Purple flowers. **Seeds,** 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

×**—Album.** 2 in. Like Coccineum but white flowers. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

×**—Coccineum.** 2 in. Matted dark green foliage, dark red flowers. June-July. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

×**Lanuginosus.** 3 in. Woolly leaved Thyme, pink flowers. June-July. **Plants,** 3 for 85c; doz., $2.50.

8553 **TROLLIUS Golden Queen.** Seeds, pkt., 50c. Plant, 3 for $1.50.

TROLLIUS (Globe Flower)

Globe flowers of unique character, of bright orange or yellow, and finely cut leaves, make this a desirable subject for moist, lightly shaded locations or pool sides. Seeds germinate slowly.

8550 **Europaeus.** (Golden Ball.) 20 in. Yellow. **Seeds,** 25c per pkt.

8551 **Ledebouri.** 2 ft. Orange flowers. **Seeds,** 50c per pkt. **Plants,** 3 for $1.25; doz., $4.00; 100, $25.00.

8553 **—Golden Queen.** The plant is very vigorous, grows from three to four feet in height, but its chief value lies in the size of the flowers and the intense orange color, the extreme floriferousness and the constancy with which it flowers in autumn as well as early summer. It comes practically true to type from seed. (Seed germinates slowly, soak in hot water for six hours before sowing.) **Seeds,** 50c per pkt. **Plants,** 3 for $1.50; doz., $5.00; 100, $35.00.

8554 **Hybridus Mixed.** 20 in. **Seeds,** 25c per pkt.

TUNICA

8559 ×**Saxifraga.** A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. **Seeds,** 15c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

VERONICA (Speedwell)

Hardy, herbaceous perennials belonging to the Foxglove order. They vary in height from a few inches to 3 or 4 ft., and bear blue or white flowers in terminal spikes or racemes. Showy plants for sunny borders, and all of easy culture.

8571 **Amethystina.** 1 ft. June-July. Creeping foliage. Amethyst blue. **Seeds,** 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00. Two-year clumps, 3 for 85c; doz., $2.50; 100, $15.00.

×**Armena.** 3 in. Blue. All summer. Dainty trailing stems resembling Sedum. In bloom all season. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

8570 **Spicata. Blue.** 2 ft. July-August. Small spikes of rich blue flowers. **Seeds,** 15c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

Spicata Rosea. 1 ft. Pure pink. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

Spicata Alba. 1½ ft. White. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8575 **Perennial Varieties, Mixed.** **Seeds,** 15c per pkt.

8576 **Longifolia.** 2½ ft. Spikes of light blue flowers, glaucous blue foliage. July-Sept. **Seeds,** 15c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

8572 ×**Longifolia Hendersoni Nana.** 1 ft. Dark blue flowers freely produced. **Seeds.** 25c per pkt.

Longifolia Subsessilis. 2 ft. July-Sept. Spikes completely studded with blue flowers. A choice variety for cutting or decorative effect. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

8577 ×**Incana.** Deep blue flowers, gray foliage. 12 in. June-July. **Seeds,** 25c per pkt. **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

8578 ×**Prostrata Mixed.** Blue and white. Trailing. June-July. **Seeds,** 25c per pkt.

8573 ×**Repens.** 1 in. Useful carpeting plant. Blue flowers. May-June. **Seeds,** 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

8573A ×**Rupestris.** Dwarf and spreading. Deep blue flowers. May-June. **Seeds,** 15c per pkt. **Plants,** 3 for 85c; doz., $2.50.

8574 ×**Teucrium Royal Blue.** 12 in. May-June. Prostrate foliage, brilliant blue flowers. **Seeds,** 15c per pkt. **Plants,** 3 for 65; doz., $2.00; 100, $12.00.

Veronica Collection No. 80

One plant each, 5 varieties, our selection, for $1.00.

TRILLIUM (Wake Robin)

Grandiflorum. 12 in. One of the most beautiful of our native spring-flowering perennials with tuberous root stocks, and furnished with three leaves borne in a whorl, and flowers with three petal-like segments. Splendid for naturalizing in moist shaded places. Flowers are pure white. Blooms early, should be planted before April 15th. **Plants,** 3 for 65c; doz., $1.50; 100, $8.00.

VIOLA (Violet)

8581 ×**Bosniaca.** Free blooming, small rose magenta flowers. **Seeds,** 25c per pkt.

8580 **Blue Sweet.** Single, deep blue, common single violet. Seed germinates very slowly. **Seeds,** 10c per pkt.

8580A **Odorata. The Czar.** A magnificent single, fine blue, long stems, very fragrant. Same culture as above. **Seeds,** 15c per pkt.

8580B—**The Czar, Fl. Albo.** Large white flowers. **Seeds,** 25c per pkt.

8584A ×**Florariense.** This variety forms large compact plants producing a continuous profusion of bloom for a long period. The flowers are a very pleasing shade of pale lavender. (Varies, does not come entirely true.) Pkt., 35c.

8579A ×**Johnny-Jump-Up or Viola Tricolor.** The plants are easily raised from seed, come into bloom very quickly, and their delightful little pansy faces appeal to every one who admires a pansy or violet. Purple, blue and yellow are the three colors that give them their name and the combinations are variable. Perfectly hardy and will reseed itself. Pkt., 25c.

8583A **Gracilis. H. Copyn.** Violet, true Cornuta type, free flowering. **Seeds,** 25c per pkt.

8584 ×—**Lord Nelson.** 6 in. Glowing violet, purple. April-August. **Seeds,** 35c per pkt.

8581A **Pedata (Bird's Foot Violet).** A native wild flower with blue flowers and divided leaves, likes peat and partial shade. **Seeds,** 25c per pkt.

×**Double Russian.** Deep purple blooms, very double, hardy and does well in partial shade. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

×**Prince of Wales.** Hardy violet grows anywhere. Large single fragrant blooms. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

VIOLA CORNUTA

For Seeds — See Annual and Novelty Pages.

×**Admiration.** Light blue. **Plants.** 3 for 65c; doz., $2.00; 100, $12.00.

×5817 **Jersey Gem.** Short, bushy growth, blooming throughout the summer, having flowers of rich pure violet, large and fragrant. Long stems make it a good cut-flower. **Seeds,** 25c per pkt.; **Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

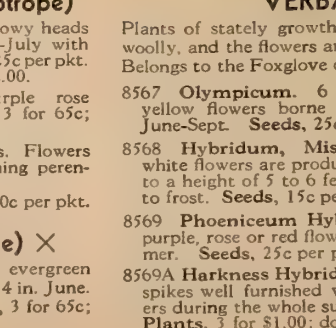
×**Lutea Splendens.** Rich golden yellow. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

×5809A **Mauve Queen.** Violet-mauve flowers, exceedingly profuse blooming and lasting from April to October. **Seeds,** 10c per pkt.

×5811A **Thuringia.** Dark blue, white ground. **Seeds,** 10c per pkt.

×**White Perfection.** One of the finest whites, **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

VALERIANA



VERBASCUM

5817 **VIOLA Jersey Gem.** Seeds, pkt., 25c. Plants, 3 for 85c.

8585 **YUCCA Filamentosa.** Seeds, pkt., 10c. Plants, 2-yr., 3 for 85c.

VALERIANA (Garden Heliotrope)

8566 **Officinalis.** 3 to 4 ft. Produces showy heads of rose-tinted white flowers during June-July with delicious strong heliotrope odor. **Seeds,** 25c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

8560 **Rubra.** 2 ft. Sweet-scented purple rose flowers. **Seeds,** 10c per pkt. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

8565 **Alba.** Pure white fragrant flowers. Flowers in June and is one of the most charming perennials. **Seeds,** 10c per pkt.

8564 **Mixed.** The above two. **Seeds,** 10c per pkt.

VINCA Minor (Grave Myrtle) ×

Valuable for rockeries or makes a fine evergreen carpet under and about shrubs and trees. 4 in. June. Green foliage, large blue flowers. **Plants,** 3 for 65c; doz., $2.00; 100, $12.00.

VERBASCUM

Plants of stately growth. The leaves more or less woolly, and the flowers are borne in branched spikes. Belongs to the Foxglove order.

8567 **Olympicum.** 6 ft. Silvery foliage; golden yellow flowers borne in large pyramidal spikes. June-Sept. **Seeds,** 25c per pkt.

8568 **Hybridum, Miss Willmott.** The large white flowers are produced in stately spikes, rising to a height of 5 to 6 feet and continue from July to frost. **Seeds,** 15c per pkt.

8569 **Phoeniceum Hybrids.** 2 ft. Bears white, purple, rose or red flowers in erect spikes in summer. **Seeds,** 25c per pkt.

8569A **Harkness Hybrids Mixed.** 6 ft. Immense spikes well furnished with large pure yellow flowers during the whole summer. **Seeds,** 25c per pkt. **Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

YUCCA (Adam's Needle)

8585 **Filamentosa.** 5-6 ft., or more. June-July. Has broad swordlike evergreen foliage which makes a large round clump. The flowering stalks are bare as much as 6 feet high, with large drooping creamy white flowers. It likes loose dry soil and a warm situation. **Seeds,** 10c per pkt.

—**2-Year Plants,** 3 for 85c; doz., $2.50; 100, $15.00.

—**3-Year Plants,** 3 for $1.00; doz., $3.50.

8586 **Glauca Angustifolia (Soapwood Yucca).** Long stiff narrow evergreen foliage, flowers large white or purplish. **Seeds,** 25c per pkt.

—**2-Year Plants,** 3 for $1.00; doz., $3.50; 100, $20.00.

—**3-Year Plants,** 3 for $1.25; doz., $4.00; 100, $30.00.

WISTERIA

8589 **Chinensis Blue.** Climber, pale green foliage with drooping clusters of purplish pea-shaped flowers. The clusters are about a foot long and freely produced. **Seeds,** 15c per pkt.

Flower Seeds for Greenhouse Use

ACHIMENES

130 **Best Mixture.** ÷ 1 ft. A greenhouse subject blooming in six months from seed, with tubular flowers of varied red, pink purple and lavender tones, with contrasting throats especially suitable for hanging baskets and pots. Pkt., 50c.

ALOE

243 **Variegata,** or "Tiger-Aloe", the finest and most favored quick-growing succulent with beautifully variegated leaves. 10 seeds 25c.

ANTIRRHINUM Snapdragon

See Also Novelties

362 **Afterglow.** A beautiful bronze. Pkt., 50c.

374 **Ceylon Court Yellow.** Robust growth; foliage strong, healthy and vigorous. Beautiful canary-yellow. Spikes 10 to 14 inches; flowers closely set; one of the earliest and most productive producers, strong, wiry stems. Pkt., 50c.

377A **Cincinnati (Witterstaetter).** Attractive fragrant light rose pink, long stemmed and flowers well placed on stems. Pkt., 75c.

387 **Geneva Pink.** A delightful glistening rose-pink borne on long dense spikes; green foliage. Pkt., 50c.

395A **Lucky Strike.** Best pure white, grows three to four feet with splendid full spike of flowers, does not drop or shatter. Pkt., 50c.

401 **Philadelphia Pink.** Pure pink. Pkt., 50c.

404A **Roman Gold.** A deep golden yellow with the lip a lighter yellow suffused with pink. The tips have a beautiful pink-copper hue. Pkt., 50c.

408A **Rose Queen (Witterstaetter).**, Dark pink. Pkt., $1.00.

407A **Sunburst.** Intense orange copper and golden yellow. Pkt., 50c.

407B **Winter Helen.** Lovely salmon pink, early. Pkt., $1.50.

426 **VAUGHAN'S MIXTURE OF GREENHOUSE VARIETIES.** A mixture of the forcing varieties we list. Pkt., 50c.

ASPARAGUS

480 **Plumosus Nanus (Lace Fern).** + 3 ft. The hard seeds need soaking and bottom heat to sprout them. Pkt., (15 seeds) 15c; 100 seeds, 60c.

485 **Sprengeri (Emerald Feather).** + Finest material for hanging baskets, etc.; the minute flowers, produced in racemes, are rose with orange anthers. Pkt., (15 seeds) 15c; 100 seeds, 60c.

CALCEOLARIA +

1180 **Hybrida Grandiflora (Pouchflower).** 1½ ft. A colorful greenhouse plant bearing a profusion of small, pocket-shaped orange or yellow flowers, many of which are beautifully tigered or spotted. Pkt., (300 seeds) 50c.

1181 **Graciosa Mixed.** A type with very large flowers in self-colors of a great variety of yellow tones. Pkt., 50c.

1182 **Albert Kent's Hybrids.** A very lovely variety. The flowers are intermediate in size and produced in large graceful clusters. Pkt., $1.00.

1183 **Flower Cloud.** A cross between Rugosa and Grandiflora. Free flowering in all colors, very vigorous in growth. Pkt., $1.00.

1185 **Rugosa, Mixed.** Includes nearly all the beautiful colors found in Calceolarias. Pkt., 25c.

CALENDULA—See page 39.

COLUMNEA

1873 **Splendens.** Glowing orange-scarlet, dark leaf, splendid for hanging baskets. Pkt., 25c.

CINERARIA HYBRIDA +

1715 **Vaughan's Columbian Mixture.** A mixture of the finest strains; the flowers from 7 to 9 inches in circumference, brilliant colors. Pkt., (75 seeds) 25c.

1726 **Hybrida Multiflora Nana.** 10 in. A new race producing dwarf plants with masses of small self-colored flowers, ¾-inch diameter, compact heads over small and dainty foliage. Pkt., 35c.

1722 **Polyantha Stellata Mixed.** 2 ft. A mixture of blue, red, white and intermediate shades of star-shaped flowers. Pkt., (100 seeds) 25c.

1723—**Feltham Beauty.** Similar to above but dwarfer, with larger flowers and broader petals, but retaining the true star shape. Many have white centers. Pkt., 35c.

CYCLAMEN + 1 ft.

Persicum Giganteum

2001 **Bright Red.** 2002 **Pure White.** 2003 **Salmon Scarlet** (America Improved). 2004 **Salmon, Dark** (Glory of Wandsbek or Perle of Zehlendorf). 2005 **Salmon, Light** (Rose of Zehlendorf). 2006 **Orange Beauty.** Orange vermilion. 2007 **Pink Pearl.** 2008 **Mozart.** Deep pink.

Each of above, Pkt., (10 seeds) 30c.

2010 Mixed the above and others. 10 seeds, 25c; 25 seeds, 50c; 100 seeds, $1.50.

EXACUM ÷

2445 **Affine.** Greenhouse annual. 1 to 2 ft. high with numerous bluish-lilac flowers with yellow stamens of a very delicate fragrance. When sown in March or April, blooms from August or September until late in season. Excellent for basket use. Pkt., 50c.

FREESIAS

Bloom first year from seed.

2450 **Refracta Alba.** White. Pkt., 10c.

2455 **Rainbow Hybrida.** Attractive because of unique colorings and shadings. Pkt., 15c.

2456 **Hybrida Tubergenii.** Richest shades, very large flowering hybrids. Pkt., 35c.

FUCHSIA HYBRIDA (Ladies' Eardrop)

2460 **Double and Single Mixed.** ÷ 1 to 4 ft. Well-known greenhouse plant, blooms from seed first year, if planted early. Pkt., (20 seeds) 25c.

GESNERIA

2505 **Robusta Perfecta Hybrids.** ÷ The flowering spikes carry numerous bright pendulous blooms, including pure white, yellow, salmon-pink, orange, rose-carmine, and rich crimson. It belongs to the same class as the Gloxinias. Pkt., 50c.

GLORY OF THE SUN +

3008 **Leucocoryne Ixioides Odorata.** Heads of large fragrant flowers, blue with white centers, carried gracefully on a wiry 18 in. stem. Culture the same as for Freesias. It is a tender perennial, flowers the second year from bulbs produced the preceding year. Seed germinates very slowly and irregularly. Seed bed should be kept where it will have care for several months. Pkt., (100 seeds) 35c.

GLOXINIA

2560 **VAUGHAN'S INTERNATIONAL MIXTURE.** + 12 in. Magnificent house-blooming plants, with handsome bell-shaped flowers in a diversity of the richest colors. Pkt., 25c.

2565 **Fine Mixture.** Pkt., 15c.

GREVILLEA

2675 **Robusta (Silk Oak).** ÷ 1 to 5 ft. Grows rapidly from seed, and is pretty in all stages of growth; with its long, drooping, silky foliage. Excellent for fern dish use. In California and Florida develops into an ornamental tree. Pkt., 15c.

ISOLOMA

2960 **(Hirsutum Multiflorum Hybridum).** + 12 to 18 in. The large leaves, which are in texture similar to the Gloxinia, are of a rich dark green; their backs, as well as the flower stalks, are covered with bright red hair. The flowers are produced in abundance and in various colors and color combinations. Seed sown in January or February will bloom in June or July, and will continue to flower until winter without cessation. Pkt., 50c.

KALANCHOE

2964 **Globulifera var. Coccinea.** In form the flowers are similar to the well known Bouvardia flower, but the color is a very bright scarlet. They bloom in winter and flowers last a long time. Pkt., (100 seeds) 25c.

MIGNONETTE—See page 51.

PRIMULA ÷

Chinese Primrose

4465 **VAUGHAN'S INTERNATIONAL MIXTURE.** Our mixture contains all the choicest colors of the single-flowering Primulas in all their dainty shades. Pkt., (100 seeds) 35c.

4460 **Good Mixture of Single Varieties.** Pkt., 15c.

Primula—Various Sorts

4475 **Malacoides.** 10 in. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt., 25c.

4478 **Malacoides Rosea.** Pkt., 25c.

4479 **Malacoides Salmon Red.** A desirable new shade. Pkt., 50c.

4480 **Forbesi Baby Primrose.** 10 in. The flowers are graceful, of pleasing rose color with yellow eyes and are borne on erect stems. Pkt., 15c.

4481 **Kewensis.** 1 ft. Canary-yellow. Fine leaf, winter bloomer. Pkt., 25c.

Primula Obconica Grandiflora

4485 **Appleblossom.** Pink.
4486 **Coerulea.** Heavenly Blue.
4487 **Fassbender Red.** Flowers rich deep red.
4488 **Salmon Rose.** A beautiful shade.
4489 **Rhine Pearl.** Dark salmon-carmine.
4490 **Rosea, Pink.**

Each of the above Pkt., (200 seeds) 25c.

4495 **Obconica Grandiflora Mixed.** Good mixture. Pkt., (200 seeds) 15c.

Primula Obconica Gigantea

4500 **Gigantea Rosea.** A beautiful clear rose. Pkt., (200 seeds) 25c.

4505 **Gigantea Mixed.** Pkt., (200 seeds) 25c

PLUMBAGO

4229 **Capensis.** A climbing, shrubby plant for pot culture or the border; producing spikes of rich pale blue flowers. Pkt., 25c.

SAINTPAULIA ÷ 4 in.

4589 **Ionantha. African Violet.** A free and long-flowering pot-plant. Plants are dwarf, leaves like a Gloxinia, flowers beautiful blue with golden anthers resembling large single sweet-scented violet. Pkt., 50c.

4588 **Kewensis.** This species flowers just as early, luxuriantly and lastingly as the "ionantha" and the "cordata." January sowings last from July without interruption well into the winter. It differs considerably, however, on account of its small, delicate green leaves. The numerous shining blue flowers, reminding one of violets, contrast well with the dense light green rosette of leaves. Cultivate the same as Gloxinias, but allow the Saintpaulia rather more air. Pkt., 65c.

SOLANUM

Ornamental plants with attractive berries useful pot plant for winter decoration.

4790 **Cleveland Cherry Red.** Pkt., 15c.

4791 **Cleveland Cherry Orange.** Pkt., 15c.

4792 **Bird's Eye.** Pkt., 15c.

4789 **Hlavacek's Masterpiece.** A very pronounced improvement. Grows more compact and produces the scarlet berries in greater profusion. Pkt., 25c.

STEVIA

4825 **Serrata.** 2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. Pkt., 15c.

STREPTOCARPUS

4826 **Largest Hybrids.** + 9 in. Handsome pot plants, bearing for a long time in succession large trumpet-shaped flowers, ranging from lavender, purple, and rose to pure white. Seedlings raised in early spring flower in summer. Pkt., 35c.

4820 **Rose.**
4821 **Sky Blue.**
4822 **Red.**

Each of above, Pkt., 75c.

GIANT PURPLE TROPICAL PANAMA-PACIFIC. Each, $2.50.

Water Lilies

AS a focal point in the garden picture, whether the design be formal or informal, the pool in which goldfish swim and lilies grow, and in or around which bog and marginal plants may thrive, is most satisfactory.

Its construction and outline may be made to harmonize with its surroundings. An expanse of water amid garden surroundings is always an accent which inevitably attracts the eye, and when it is adorned with beautiful flowers and contains fish and other water life, it never disappoints.

Water lilies are easy to grow, if the directions which we furnish are followed. Their flowers are among the most beautiful possible to the garden, and they are borne in great profusion and for a season which lasts throughout the garden year.

FOUR NEW DAY-BLOOMING TENDER WATER LILIES

An exceptional group of four new, distinct, superb and truly sensational tropical water lilies recently originated and produced by the leading hybridizer Mr. August Koch, chief florist of Garfield Park, Chicago, Ill. These water lilies hold an unrivaled position for gorgeous effectiveness and are offered for sale for the first time, by Vaughan's Seed Store.

NYMPHAEA CHICAGO. This is a striking novelty of merit and the surpassing charm of this variety lies in the entrancing beauty and the large size of the flowers, the color being distinctly and decidedly different, clear brilliant pink. Size 7 to 9 inches in diameter, having 25 to 31 petals. A hybrid of Mrs. C. H. Pring and Castaliflora. Leaves olive green mottled with brown, light green mottled with carmine underneath. Lobes overlapping at base. Margin irregularly crenate. Each $8.00.

NYMPHAEA GOVERNOR L. EMMERSON. No other variety of recent introduction has created the sensation which has been accorded this gorgeous novelty. The great abundance of large blossoms, 8½ to 10½ inches in diameter, 24 to 28 petals, are the most perfect in form, largest in size and purest of color which is blue the first day, changing to light blue later. Leaves olive green mottled with light brown, reddish brown underneath, lobes overlapping base. Flowers larger and stems more sturdy than Whitaker. Hybrid of Mrs. G. H. Pring and Castaliflora. Each $7.00.

NYMPHAEA PINK PEARL. Among the new lilies introduced there are none in our opinion which is likely to have a wider popularity than this. A novelty which will cause you to exclaim with wonder. Predominating characteristics are, extreme gracefulness, profuseness of bloom, flowers 6 to 8 inches in diameter, 28 to 32 petals, light pink with end of petals tipped deep pink. Stems are erect, standing 8 to 11 inches above the water. Most suited for small basins, ponds and tub culture. Leaves green above, brownish red below. Hybrid of Mrs. G. H. Pring and Castaliflora. Each $5.00.

NYMPHAEA MRS. W. R. JAMES. After many years of careful selection this beautiful and charming lily was produced, remarkable in many ways but particularly in the brilliant color of it's flower, which is deep pink 9 to 12 inches in diameter; sepals pale pink, with from 26 to 36 petals, standing 5 to 6 inches above the water. Leaves olive green above, brownish red below. Lobes overlapping at base, with margins sinuate. This is an outstanding variety and is quite indispensable in the pool. It is a hybrid of Mrs. Edw. Whitaker and M. Castaliflora. Each **$10.00.**

DAY-BLOOMING TENDER NYMPHAEAS

BLUE BEAUTY (Pennsylvania). Rich deep blue flowers, twelve inches across, stamens yellow tipped blue, sepals marked with purplish black lines and dots. Flowers continuously from early season until frost. The leaves are green marked with brown spots. Each $2.00.

GENERAL PERSHING. One of the finest pink tender lilies both in texture, size and color. Fragrant flowers ten inches in diameter, a warm bright pink are borne on stems twelve inches above the water, opening from four to six days and remaining open each day from five A. M. until seven P. M. Sepals are bright pink on inside and buds are dark green striped dark purple. This magnificent lily is unexcelled for beauty and freedom of bloom. Each $3.00.

MRS. C. W. WARD. Flowers deep rosy pink, almost red, of the Gracilis type, measuring eight to ten inches across. Stamens golden yellow, tipped with pink. This lily is more hardy than other tender nymphaeas, blooms freely and is very desirable. Each $2.00.

MRS. GEO. H. PRING. Immense, pure white flowers, ten to thirteen inches in diameter, extremely fragrant and most prolific in bloom throughout the season. Stamens golden yellow and tipped white. Young leaves are blotched brown while the older ones are plain green. Each $1.50.

PANAMA PACIFIC. Wine red upon first opening, changing when fully open to reddish-royal purple, yellow stamens. A new distinct color, free flowering, practically everblooming. Leaves attractively spotted reddish-brown, buds bronzy-green. Each $2.50.

NIGHT BLOOMING TENDER LILIES

Flowers open from 5 to 6 P.M., and remain open all night usually closing the middle of the following morning; sometimes remaining open all day if cloudy weather.

DENTATA SUPERBA. A very desirable variety with beautiful glistening pure white flowers, eight to twelve inches across; yellow stamens without any traces of purplish markings. Sepals green with greenish white stripes on outside, inner side white. Leaves glossy green. Free flowering. Each $2.00.

O MARANA. Large, compact flowers of deepest rosy red, with a faint tinge of white down the center of the petals. Stamens deep orange; dentated leaves of bronzy green. Each $1.50.

NELUMBIUMS OR LOTUS

CHINESE RED LOTUS (Pekinensis Rubrum Plenum). Large magnificent, extremely double, bright rosy carmine flowers borne on sturdy stems well above the foliage. Free in blossom and growth. Most exquisitely magnificent of all Lotus. Each $3.50.

LUTEUM. (American Lotus, Water Chinquapin). A magnificent variety, yellow flowers, originating in the western and southern states. Dormant, each, $2.00. Potted $2.50.

SPECIOSUM (Egyptian Lotus). Very easily grown; produces a subtropical effect. Deep rose, creamy white at base of petals. Dormant, each, $2.00. Potted $2.50.

HARDY WATER LILIES

ATTRACTION. One of the finest of recent French introductions, being one of the largest hardy lilies in cultivation, the flowers measuring eight inches in diameter. On first opening, the flowers are garnet red, petals tipped with rose flecked white, with almost white sepals and long yellow stamens, lightly touched with mahogany. As the flower reaches maturity, the color deepens until the flowers become dark red and the sepals streaked with garnet. The flowers are readily distinguishable on the water, being so bright and attractive. One of the two best red water lilies. Each $3.00.

COMANCHE. Large flowers of a rich apricot color on opening, becoming a dark coppery-orange, streaked with glowing red as the flower ages. It is one of the changeable types and one of the most popular. Orange stamens; attractive foliage olive green flaked with brown. One of the best lilies of recent introductions. Prolific bloomer, blossoms standing well above the water surface like the tropical Nymphaea. Each $2.50.

GLORIOSA. A truly magnificent variety with fragrant flowers from six to seven inches across, of beautiful form, which float on the water. They are a deep carmine-rose color, becoming deep red with age, double and perfect form. The plant is very free in flower, blooming continuously throughout the season. The fine qualities of this flower make it excellent for cut flowers, for it continues to open for about five days when floated in a bowl. The lovely blossoms of these lilies and the plant's small leaf spread make it very desirable for tub, pool or lake planting. Each $2.25.

GLADSTONIANA. Is a fine lily of beautiful form and strong, robust growth. The large compact dazzling white cup shaped flowers, petals concave and broad, with golden yellow stamens, blooms freely. Leaves are dark green, the leaf stalks being striped brown. Should be allowed plenty of room. Each $1.50.

MARLIACEA CHROMATELLA. Charming yellow flowers from four to six inches in diameter with bright yellow stamens. The leaves are beautifully mottled with bronze-red. The plant flowers freely and is of easy, quick vigorous growth and of compact habit. This is the best yellow hardy water lily in cultivation for all purposes. Each $1.50.

MARLIACEA ROSEA. One of the best pink hardy lilies. The large flowers are deep pink, plants free flowering and of vigorous growth with leaves changing from red to green as the leaves mature. Each $1.25.

ODORATA GIGANTEA. Native lily of Southeastern States. Large pure white flowers four to seven inches across. Leaves are green with a margin of purplish red on the underside. Used for naturalizing and requires more space than most lilies. Each $0.50.

ODORATA MINOR. Miniature, fragrant white flowers, two to three inches across. One of the most attractive small lilies; unexcelled for planting in tubs or at edge of pools. Each $0.75.

ODORATA SULPHUREA GRANDIFLORA. Bright yellow fragrant blossoms, four to five inches across, borne on stout stems above the water. Leaves blotched with brown. Each $1.00.

PAUL HARIOT. Magnificent light yellow shading to orange-pink and then to copper-red. Large flowers of great beauty and substance. Will thrive under extreme conditions and blooms freely. Foliage spotted brownish red. One of the most popular of the changeable types. Each $2.00.

RENÉ GERARD. Decidedly new and distinct lily with enormous blossoms 10 inches across with numerous petals wide at the base, curling at the edges and tapering to waxy points. Myriads of tiny crimson flecks on a white background produce an exquisite blend of deep old rose. This prolific blooming, truly unusual lily is a recent introduction from L'Etablissements Latour Marliac, Temple-sur-Lot, France. Each $5.00.

ROSE AREY. The bright cerise flowers of iridescent hue are very large, up to eight inches in diameter, very sweetly scented with pointed petals, giving effect of darker shadings near the edges. Long bright yellow stamens. Free flowering and of strong growth. This lily is of exceptional beauty being awarded the silver meda by the New York Horticultural Society. Each $2.00.

SUNRISE. The name typifies this exceedingly beautiful fragrant yellow lily with long narrow petals standing at various angles, their curved sides and crinkled tips giving the appearance of a giant chrysanthemum. One of the largest lilies, the enormous flowers 9 inches across and earliest to bloom are a clear yellow, stamens golden lemon, buds olive brown with salmon flush, while the egg shaped leaves are deep green on top and red flecked below. Each $2.50.

TUBEROSA ROSEA. Attractive flowers of exquisite light flesh pink from four to five inches across, rising above the water from two to three inches. Early, free bloomer and a very much desired variety. Each $1.00.

Vaughan's Irises

PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants, 5c; 3 plants, 10c; 6 plants, 15c; 12 plants, 25c. We accept no responsibility for delays or conditions that may prove injurious to the contents.

PLANTS BY EXPRESS—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

The figures preceding the varieties are the exhibition rating given to them by the Iris Society, 10 being the highest rating used in judging.

Iris are the most effective if planted 3 of a kind in a clump.

Relative Prices (except where noted)

25c varieties supplied 3 of one kind for 50c.
35c varieties supplied 3 of one kind for 70c.
50c varieties supplied 3 of one kind for $1.25.
75c varieties supplied 3 of one kind for $1.75.

NEW AND OUTSTANDING VARIETIES

7.4 **Autumn King.** 30 in. A blue-purple bicolor of fine size and shape that has a habit of blooming a second time in the autumn. 35c.

8.4 **Caroline E. Stringer.** 33 in. Large delicate rose-flushed flowers of exceptional substance. Strong vigorous plant and free bloomer. 35c.

Cinnabar. 42 in. A beautiful large flower of perfect form and deep, rich velvety red tone. Of great substance, being able to withstand rain, wind and hot sunshine without being impaired. Very vigorous and floriferous. 50c.

9.3 **Dolly Madison.** 38 in. S. mauvette shading to yellow at base; F. lilac tinged old gold at haft. Sometimes described as a Glorified Quaker Lady. Very fine as its high rating indicates. 50c.

8.0 **Folkwang.** 30 in. S. light rose-pink; F. claret-red with conspicuous veining of brownish yellow, edged rose-pink. Beautiful color blend, 35c.

8.9 **Frieda Mohr.** 42 in. A gigantic pink toned Iris that measures 6½ inches from the top of the standards to the tip of the falls and 6 inches horizontally. The flower is of perfect form, good texture and brilliant coloring; very stately and beautiful and one of the very best of the "pinks." Exquisite locust-like perfume. 60c; 3 for $1.50.

Labor. 36 in. An extraordinary Iris of an absolutely new color. S. dark violet heliotrope suffused with a soft coppery glow; F. deeper shade. A beautifully colored new Iris that is highly rated in England. 50c.

9.1 **Morning Splendor.** 48 in. S. petunia violet; F. rich raisin-purple. Gives a beautiful red effect in the garden; delightfully fragrant. 25c.

Nebraska. 34 in. Fine large flowers of rich apricot yellow. The standards are ruffled and the falls striped and clouded brown. Very beautiful. 50c.

9.1 **Santa Barbara.** 40 in. A gigantic light blue self of perfect form with flaring falls. An outstanding variety and one of the finest of its color. 35c.

9.2 **Sir Michael.** 48 in. A striking Iris, considered by many the finest blue bicolor. S. opalescent lavender-blue; F. rich deep velvety purple; brilliant red gold beard. A magnificent grower with strong widely branched stems. $2.00.

8.8 **Tenebrae.** 36 in. A richly colored Dominion seedling. S. deep violet-purple; F. velvety black-purple. Large finely formed flowers. 35c.

8.9 **Vesper Gold.** 42 in. A new distinct yellow suffused with violaceous reflections. Bright orange beard. A beautiful Iris with arching standards and flaring falls. Strong growing. Late. 35c.

Wambliska (White Eagle). 45 in. A glorious new white of huge size and heavy texture. S. snowy glittering white tinted blue at the heart; F. clear snow white with pale yellow beard. The largest and finest of the really hardy white Irises. $3.00.

8.9 **Wm. Mohr.** 26 in. One of the most remarkable Irises ever raised. The ground color is pale lilac, the standards flushed darker, and the whole flower is beautifully veined manganese-violet. The flower is of large size, has great substance and is of perfect form. $1.00.

TWENTY OF THE WORLD'S FINEST VARIETIES

9.2 **Ambassadeur.** 40 in. S. smoky bronze; F. dark velvety maroon. Voted by the American Iris Society the most popular Iris in the world. Late. 25c.

9.0 **Ballerine.** 48 in. One of the best of the light blue toned varieties. S. light violet-blue with waved edges; F. slightly deeper. Fragrant. 25c.

8.2 **Chasseur.** 36 in. Beautiful cream-colored buds marked with gold and brown and large, artistically formed flowers with broad standards and well-rounded falls of clear yellow, shaded lighter at the center. 35c.

8.4 **Dream.** 36 in. A very lovely, orchid-like flower of a soft clear pink. Of graceful Pallida habits, vigorous in growth and free flowering. 25c.

8.6 **Gold Imperial.** 33 in. Brilliant chrome yellow throughout except for conspicuous orange beard. A fine Iris of rare texture and form. 25c.

8.3 **Imperator.** 36 in. A large red toned Iris that adds a bright note to the garden. S. reddish-violet tinted buff; F. deeper shade. Late. 25c.

8.0 **Lady Byng.** 36 in. A beautiful Iris of exceptionally fine form and substance. Color a clear pale lavender with a slight suffusion of rose. 25c.

8.8 **Lord of June.** 40 in. S. flappy lavender-blue; F. rich violet-blue. Flowers exceedingly large and handsome; bold and vigorous habit. 25c.

8.7 **Magnifica.** 44 in. S. light purple on white; F. dark reddish purple. Flowers of heavy texture, measuring 6 inches high. Fragrant. 25c.

8.4 **Medrano.** 30 in. S. and F. a beautiful dark smoky claret, a very rare color. Flowers of large size. Late. 25c.

8.6 **Mildred Presby.** S. white; F. rich, dark, velvety pansy-violet with narrow edge of lavender white. Large flowers of clear coloring. 25c.

8.8 **Mlle. Schwartz.** 48 in. Lovely pale mauve flowers of exceptionally large size, borne on very tall branching stems. 25c.

8.4 **Mother of Pearl.** 48 in. A pale bluish lavender flower of exceptional substance and lustrous texture. A wonderful Iris; free flowering. 25c.

TWENTY OF THE WORLD'S FINEST VARIETIES—Continued

8.3 **Ochracea (Sunset).** S. dull old gold; F. coppery yellow, tinged with purple. Flowers of wonderful coloring and artistic form. Late. 25c.

9.0 **Princess Beatrice.** 40 in. A selected form of Pallida Dalmatica and one of the finest of all Irises. Silvery lavender of satiny texture. 25c.

8.1 **Prospero.** 48 in. A vigorous tall-growing variety bearing enormous flowers of fine shape. Similar to Lent A. Williamson but of lighter coloring. 25c.

8.8 **Queen Caterina.** 40 in. Pale lavender violet with a smooth iridescent sheen and bright orange beard. A beautifully colored Iris. 25c.

9.1 **Souv. de Mad. Gaudichau.** 40 in. This is without a doubt the most beautiful of all the deep purple Iris. Large flowers of rich velvety purple. 25c.

8.5 **Susan Bliss.** 42 in. Exquisite flowers of a uniform shade of deep rose-pink with a light orange beard. Fine shape and of splendid substance. 25c.

8.2 **Taj Mahal.** 38 in. A very fine white of good shape and great substance borne on tall, well-balanced stalks. Vigorous grower. 25c.

Special Offer No. 83B One each Ambassadeur, Ballerine, Chasseur, Dream, Lady Byng, Medrano, Ochracea, Princess Beatrice, Prospero, Queen Caterina, Souv. de Mad. Gaudichau and Taj Mahal (value $3.10) for $1.75; 3 each for $3.75.

STANDARD VARIETIES AT BARGAIN PRICES

We have a large collection of these in named varieties in all colors. In ordering state color wanted and a good named variety, labeled, will be supplied. List of varieties mailed on request. Price, 3 of one kind for 30c; 12 of one kind for $1.00.

DWARF IRISES

Price any of the following: 25c; 3 of one kind, 50c.

Cristata (Crested Iris). Early. A dainty dwarf creeping variety with large blue flowers. Fine for use in the rock garden.

Pumila Hybrida. Dwarf varieties, growing from 6 to 8 inches high, that bloom two weeks in advance of the tall bearded Iris. Suitable for rock gardens or borders.

Cyanea. Rich royal purple with black shading. Fragrant.
Dixmude. S. analine blue; F. rich crimson-purple.
Orange Queen. Clear deep yellow with orange beard.
Schneekuppe. Fragrant white.

JAPANESE IRISES (Kaempferi)

See Page 74 for Colored Picture

The last of the Iris Species to bloom and the most beautiful, their remarkable flowers, generally rather flat and wide, appearing in June and July. Plant in a sunny and moist location, but not where water will stand.

Gold Bound. Double. White with gold-banded center. Earliest to bloom.
Iso-No-Nami (Shallow Waves). Suffused rose and blue over white; gold center. One of the largest flowered and the latest to bloom. Double. Each, 50c.
Kumochi-Guma. A very full double of dark purplish indigo. Midseason.
Kumo-No-Obi (Band of Cloud). A beautiful double of pleasing lavender effect.
Mahogany. Large double flowers of velvety-mahogany red. Late.
Momigi-No-Taki (Maple Waterfall). Bright rosy crimson feathered in white. D
Purple and Gold. An enormous double of rich violet-purple with gold center.
Uchiu. Cerulean blue, veined white; gold center. Blooms a long time. Double.
Waria Hotei (Laughing Doll). Extra large flowers of lavender blue with primrose blotches and dark violet veins. A very striking variety. Each, 50c.
Zama-No-Mori. White slightly shaded azure blue. An extremely large, daintily colored single. An outstanding variety. Each, 50c.

Price of above, except where noted, each 35c; 3 of one kind for 90c; 10 of one kind for $2.50.

Mixed Seedlings. 3 for 30c; 12 for $1.00; clumps, each, 35c.

Special Offer No. 83C One each of above 10 named Japanese Irises for $2.50; 3 each for $5.00.

NEW JAPANESE IRISES

Bokhara. Single Phlox purple, yellow blotch in center edged blue. Wavy petals. 75c.
Chutsai. Single Hortense violet veined white. Inner petals phlox purple. 75c.
Repsime. Double blue veined white. 75c.
Sadarabad. Single white overcast with pale phlox pink. 75c.
Subotai. Single rosy-red. Very good. 75c.
Temple Flower. Single ivory white heavily blended with soft bluish-violet Veined white. Inner petals white edged phlox pink. 75c.
Violet Giant. Semi-double. Rich violet shading to rose. The largest Japanese Iris we have ever seen. $1.50.

SIBERIAN IRISES

Butterfly. 36 in. Lovely porcelain blue flowers; vigorous grower. 25c.
Emperor. 48 in. Large flowers of a deep, rich violet-blue. Very fine. 35c.
George Wallace. 46 in. Azure-blue, F. marked white. A popular early variety. 20c.
Perry's Blue. 48 in. Large, well formed flowers of a beautiful shade of sky-blue. One of the most popular and finest of Siberian Iris. 25c.
Orientalis. 24 in. Rich deep purple. Fine for naturalized plantings. 3 for 30c.
Snow Queen. 30 in. Large, ivory white with rich yellow blotch at the throat. 25c.
Mixed Seedlings. 3 for 30c; 12 for $1.00.

VARIOUS BEARDLESS IRISES

These varieties bloom after the German Irises are gone and before the Japanese Irises open.

Dorothy K. Williamson. 33 in. A rich velvety royal purple flower of intense color. One of the finest beardless Irises. Plant in moist, well-drained soil. 35c.
Fulva. 18 in. An interesting species with beautiful coppery red flowers in middle June. Very unusual. Likes semi-shade. 50c.
Ochroleuca Gigantea. 60 in. A giant form of Ochroleuca with large ivory white flowers marked yellow at the throat. Long slender foliage. 75c.
Pseudoacorus (Common Yellow Water Flag). 48 in. Bright yellow. Fine for waterside planting. Will succeed where water stands or in dry locations. 25c.
Versicolor (Common American Water Flag). 24 in. Showy violet-blue, remaining in bloom for a long time. Good for waterside plantings. 25c.

The Beardless, Japanese and Siberian Irises, unlike the Bearded Irises, prefer an acid soil and deep planting (about 2 inches.) Peat Moss is excellent to use in the beds in which they are planted.

Vaughan's Dahlias

IN THE following we offer what we consider the best of the Foreign and American Dahlias. We will supply **Pot-Grown Plants and roots** of the newer varieties and strong roots of proper planting size on all other varieties listed. Pot plants we do not advise planting before **May 20th.** With good care and soil the pot plants make a good growth, brighter colored flowers and larger blooms. Please state if you want a substitute, should our supply of any variety become exhausted.

KEY TO ABBREVIATIONS: **F. D., Formal Decorative; I. D., Informal Decorative; S. C., Semi-Cactus; Str. C., Straight Cactus.**

Outstanding Dahlias of Late Introduction

The following can be supplied in roots and plants. Pot plants ready about May 20th.

BAGDAD. (Informal Decorative.) An immense flower of flaming scarlet-red, borne high above the foliage so that it may be seen all over the garden. A prolific bloomer, flowers are of great size and fine for exhibition. Plants are tall, dark green foliage and good habit of growth. Highly recommended for those who want rich bright color either for exhibition or in the garden. Price, each, $1.50. Plants, each, 75c.

BUCKEYE BRIDE. (Informal Decorative.) A truly great pink Dahlia. It is of Geranium-pink, a rare and beautiful shade. The flower is large, is always held at a correct angle on the stem, and the stems are always long and perfect. It keeps well when cut. The heavy foliage successfully resists sucking insects and mildew. The vigor is high and uniform. Price, each, $1.50. Plants, each, 75c.

CHAMPOEG. (Formal Decorative.) A wonderful beauty, so unusual in its coloring that it is without a competitor. The color is waxy canary yellow at the center shading to bright peach red toward the outer edge of petals, forming a perfect sunburst. The two shades blended together as though painted by an artist. Very stiff stems; bush medium height with thick foliage. Free bloomer and good keeper. Highly recommended. Price, each, $2.00. Plants, $1.00.

CHEMAR'S EUREKA. (Formal Decorative.) One of the most beautiful white Dahlias, with a faint tinge of lavender on edge of petals. Flowers produced freely on long stiff stems, are of exhibition size. Plants are of tall habit of growth with dark green foliage. Price, each, $1.50. Plants, each, 75c.

MARY ELLEN. (Formal Decorative.) A seedling from Mrs. Ide Ver Warner with same habit of growth as the seed parent. Color lavender pink, but more lavender than pink. Centers are closed the entire season, stems long and strong holding the bloom facing. One of the winners. Price, each, $2.00. Plants, each, $1.00.

MARY HELEN. (Show.) A wonderful golden primrose colored ball of recent introduction, and an improvement over the older varieties. One of the best ball type produced to date. Large perfect and fine stem. Price, each, $1.50. Plants, each, 75c.

PENN CHARTER. (Informal Decorative.) A very attractive, well-formed dahlia of exhibition size with good center and stem. Color is a clear golden yellow, tinted apricot, and is a deep massive graceful flower. Plant tall and vigorous with large thick leaves. Price, each, $1.50. Plants, each, 75c.

STAR OF BETHLEHEM. (Semi-Cactus.) Flowers are pure white with fine pointed petals with large tight center. Free bloomer and needs disbudding and pruning, plant will then produce fine exhibition blooms. Medium to tall habit of growth with heavy foliage. A very handsome plant when season is at its height, covered with lovely thick blossoms which resemble stars. Price, each, $1.50. Plants, each, 75c.

TANG. (Formal Decorative.) Color bright tawny orange flame, shading to copper orange on the outside with gold tints at center of the flower. The outside petals have a clear buff reverse. This gives a wonderful color effect as the outer petals curl and twist. The shape of the flower is very much like its older sister, Jane Cowl, with which it ranks. It is a darker color with the higher center. Price, each, $2.00. Plants, each, $1.00.

CHOICE VARIETIES

Price of the following, each $1.00, Roots only

DOROTHY STONE. (Informal Decorative.) A true deep shade of pink, brighter and richer than Kathleen Norris and the substance is heavier. Very full center, petals thick and evenly placed. A profuse bloomer.

KATHLEEN NORRIS. (Informal Decorative.) Color a true rose-pink, later deepening to mallow-pink but paler in the young central petals. A bloom of gigantic proportions, petals broad and overlapping with twisted ends, full, tight center. Foliage dark green and insect proof. A great bloomer.

KEMP'S VIOLET WONDER. (Informal Decorative.) The predominating color is a rich Napthaline-Violet with underlying tone of royal purple, lightening to bluish violet at tips with lavender reverse.

MONMOUTH CHAMPION. (Formal Decorative.) Color a brilliant orange flame. Extra large blooms carried on perfect stems well above foliage. A consistant prize winner in every show of any importance.

REGAL. (Informal Decorative.) A combination of bronze heavily suffused with dull old rose, shading to gold at base of petals, giving the effect of burnished copper. An early and free bloomer, flowers attaining exhibition size.

THE WORLD. (Formal Decorative.) A rich deep rosy magenta overlaid garnet and with silver shadings on the edges of the petals. The stems are perfect. Foliage heavy and resistant to insects.

THOMAS EDISON. (Formal Decorative.) This is a dark purple with the sheen of velvet. A strong, robust grower of medium height; has dark green, leathery foliage which does not seem to be attacked by insects. The stems are cane-like.

TREASURE ISLAND. (Formal Decorative.) A bright autumn shade combination of apricot and gold with a rose suffusion. The habit of plant is ideal, being strong and vigorous with perfect stems.

PINK SHADES

COUNTESS OF LONSDALE. (Str. C.) A delicate apricot shading towards the edges of the petals to carmine-pink. Early. Price, each, 25c.

DR. JOHN H. CARMAN. (Formal Decorative.) A large, deep, broad petaled tyrian rose flower tipped petunia and silver borne on a stiff and heavy stem 11 to 18 in. long. Price, each, 75c.

ELLINOR VANDERVEER. (Formal Decorative.) A rich glowing satiny rose-pink. The large blooms are of great depth. Price, each, 35c.

ELITE GEM. (Str. C.) Free-blooming on strong stiff stems. Color, spinel-pink blush on primuline-yellow at base; reverse of petals, rosaline-purple exceedingly attractive. Price, each, 50c.

EMMA MARIE. (S. C.) Deep rose tinting to cream at center. Flowers with full high centers, and borne erect on cane stiff stems. An early and free bloomer. Price, each, 75c.

EVA WILLIAMS. (Formal Decorative.) An exhibition variety of amethyst color with slight silver shadings. Very full center; stems upright and rigid free bloomer. Price, each, 50c.

F. A. LEONARD. (Formal Decorative.) A brilliant rich cerise-rose. A large flower on perfect stem, very free bloomer. Price, each, 35c.

HARRY MAYER. (Formal Decorative.) Color is a silver-lavender with the reverse of the petals deep lavender. Sturdy growing habit and heavy texture. Price, each, 50c.

JERSEY'S BEAUTY. (Formal Decorative.) Probably the most talked of dahlia during the past seasons. It is still in a class by itself. A perfect bloom of eosine pink, carried high above the foliage on a long, wiry stem. Price each, 35c.

LADY LYNDORA. (Informal Decorative.) Color soft rose pink; a free bloomer, and fine for garden and exhibition. Price, each, 75c.

META SCAMMEL. (Informal Decorative.) One of the cleanest of pink dahlias. Very large, deep amaranth pink, flowers of very artistic formation. Vigorous grower, fine stem. Price, each, 75c.

MRS. IDE VER WARNER. (Formal Decorative.) A refined mauve-pink beautifully formed. Large blooms carried on long strong wiry stems. A free continuous bloomer. Price, each, 25c.

PAPILLON. (S. C.) A highly rated cactus Dahlia. It is of beautiful formation and coloring, being a blend of old rose and gold. Price, each, 35c.

ROSA NELL. (Informal Decorative.) Pure bright rose, so rich, strong and rare that in color it stands alone. Strong stem. Price, each, 35c.

SANHICAN'S ROSE. (Formal Decorative.) Color is a clear rose pink. Flowers are held erect on rigid stems and are a joy to behold, many blooms out at the one time. Price, each, 75c.

SYLVIA. (Informal Decorative.) White, shading to soft pink on the outer petals. Price, each, 25c.

VALENTINO. (Formal Decorative.) Color, true salmon pink, shading to cream at center. A dahlia attractive in formation which blooms prolifically on good stems and remains true to type throughout the season. Is an upright grower. Price, each, 50c.

YELLOW SHADES

ALICE WHITTIER. (S C.) This splendid variety is a very delicate shade of primrose-yellow. The flowers are immense. Price, each, 50c.

AVALON. (I. D.) Pure, clear yellow. The large flowers are very distinct and produced in great abundance. Price, each, 35c.

HERCULES. (F. D.) A giant bloom of tangerine and deep yellow with reverse of petals a deep tangerine. Price, each, 50c.

MONMOUTH SUNRISE. (F. D.) A golden yellow of good size. The flowers are deep and borne on splendid stems. Price, each, 75c.

DAHLIA MARY ELLEN

RED SHADES

CIGARETTE. (S. C.) In color it is creamy white, heavily edged with pomegranate-red, but no two flowers exactly alike. Price, each, 50c.

COQUETTE. (S. C.) A very large, deep flower of red and gold. Price, each, 75c.

FORT MONMOUTH. (F. D.) A rich crimson maroon with a hue of bluish violet at tips of petals. Free bloomer and foliage is dark green. Flowers frequently 13 in. in diameter. Price, each, 75c.

GERTRUDE BRINTON. (F. D.) True brick red. Large, well-shaped flowers carried on strong stems. Plant medium height. Price, each, 75c.

IMPROVED JACK ROSE. (F. D.) Bright crimson-red with a touch of violet. Price, each, 25c.

JACK ROSE. (F. D.) Bright carmine-red over-laid violet, resembling the color of the rose of the same name. A splendid variety. Price, each, 25c.

JERSEY'S BEACON. (F. D.) The color is Chinese-scarlet with a paler reverse giving a two-toned effect. Flowers are very large and globular in form. It is a prolific bloomer. Price, each, 50c.

J. H. JACKSON. (Str. C.) A deep, velvety blackish maroon. Gigantic in size. Price, each, 25c.

KALIF. (Str. C.) Color a pure scarlet. The gigantic flowers are held erect. Price, each, 50c.

MINA BURGLE. (I. D.) Flowers of gigantic size. A most glowing brilliant scarlet. Price, each, 25c.

PORTHOS. (F. D.) Sparkling deep red flowers of magnificent size and even form. A robust profuse bloomer. Price, each, 35c.

YANKEE KING. (I. D.) Strawberry pink centers spinel red with rose red reverse. Blooms large on long, fine stems. Price, each, 50c.

ORANGE SHADES

BASHFUL GIANT. (I. D.) One of the largest dahlias, gigantic flowers of apricot and golden shadings, excellent for exhibition. Price, each, 50c.

BERTHA HORNE. (Str. C.) Deep orange-yellow tinted with apricot, the latter color predominating in many of the flowers. Price, each, 35c.

CHARM. (F. D.) Burnt orange, shading to yellow; strong stems; free-flowering and a good keeper. Price, each, 35c.

COROUNNE DE OR. (I. D.) Old gold with old rose reverse; a most effective color combination. Flowers are large and deep and carried on long, stiff stems. Price, each, 50c.

EDNA FERBER. (S. C.) Color glistening coral, shading to old gold. Price, each, 75c.

JERSEY'S RADIANT. (S. C.) An exceptionally appropriate name; a radiant Dahlia of bittersweet-orange, produced on long, stiff stems held well above the foliage. Price, each, 35c.

JERSEY'S SOVEREIGN. (I. D.) Salmon orange of good size on strong stems. Price, each, 50c.

JUDGE ALTON B. PARKER. (F. D.) A coppery salmon with a golden hue. A large perfect flower the entire season. Price, each, 35c.

KENTUCKY. (F. D.) A brilliant salmon-orange shading to grenadine-pink on outer petals. The plant is thrifty and prolific. Price, each, 75c.

MR. CROWLEY. (F. D.) A plant of dwarf habit having blooms of a glowing salmon-pink with yellow at the base of the petals. Price, each, 35c.

MYRA VALENTINE. (F. D.) Golden bronze-salmon. Large flowers and a good keeper. Price, each, 35c.

PRIDE OF STRATFORD. (I. D.) A large two-tone orange variety with a very deep reverse. Vigorous growing plant. Price, each, 50c.

ROSE FALLON. (F. D.) Color dark orange tinted with amber and salmon. Massive blooms stand well above a vigorous growing bush. Price, each, 50c.

SAGAMORE. (F. D.) An exceptionally fine exhibition or cut flower of a golden color, shaded toward the center with warm salmon-rose or orange-buff. Stems straight and stiff. Price, each, 35c.

DAHLIAS—Continued

LAVENDER AND VIOLET SHADES

CLAUDE HARLAN. (I. D.) Large flower of a beautiful clear lavender. The petals have a soft wavy appearance. Price, each, 35c.

ESTHER HOLMES. (Str. C.) A deep lavender-pink. One of the best of the hybrids for cut flowers. Blooms freely, produced on long, stiff stems. Price, each, 35c.

GLADYS BATES. (Str. C.) Very large perfect flowers, with incurved petals of a golden salmon, the reverse of the petals being rose, the two colors giving the effect of a golden old rose. Price, each, 35c.

MRS. ELEANOR MARTIN. (I. D.) A beautiful mulberry with golden suffusion. The form is of best exhibition type. Very large flowers can be grown to ten inches in diameter on stiff, long stems. Price, each, 50c.

OLGA KUDLICK. (F. D.) Light lavender-pink. Strong vigorous grower with heavy foliage. Price, each, 50c.

PURPLE KING. (I. D.) A deep purple of medium size, early and profuse bloomer. Flowers carried well above foliage on wiry stem. Price, each, 25c.

SANHICAN'S BLUEBIRD. (I. D.) The color is a most uncommon shade. The outer petals at maturity are bright violet-blue, while the center retains the violet tint, the nearest approach to a Blue Dahlia. Price, each, 50c.

AUTUMN SHADES

A Combination of Several Colors

BARBARA REDFERN. (F. D.) Color is a delightful blend of old rose and old gold, immense size and great depth, flowers borne on heavy stiff stems. Price, each, 50c.

CITY OF TRENTON. (I. D.) An autumn colored Dahlia defying adequate description. The face of petals, a rich glowing tangerine; reverse, crushed strawberry red. The petals curl gracefully, giving a two-toned effect. A large exhibition bloom which can be grown to 12-inch diameter. Price, each, 75c.

JANE COWL. (I. D.) A large flower of a warm buff and old gold blending to a bright salmon at the center. The giant flowers are held aloft on rigid stems. A superb dahlia in every way. Price, each, 50c.

JUDGE MARCAN. (I. D.) The color is a combination of glowing salmon-pink, red, iridescent orange-yellow and gold all blending most harmoniously. A very free bloomer. Price, each, 35c.

WHITE

JEAN KERR. (I. D.) Pure white, of a fine form, a profuse bloomer on stiff stems. Fine cut flower variety. Price, each, 35c.

MARGARET WOODROW WILSON. (I. D.) Face of petals creamy white, reverse Phlox-pink. Petals broad and well placed, terminating in points, strong upright stems, dark green foliage. Medium height bush. Price, each, 35c.

Special Combination Offers of Dahlias Postpaid to 5th Zone

No. 85—One each Avalon, Coquette, Harry Mayer, Jersey's Radiant, Olga Kidlick, and Papillon. The 6 for.....	$2.00
No. 85A—One each Dr. John H. Carmen, Gertrude Brinton, Kentucky, Meta Scammel and Pride of Stratford. The 5 for.....	$2.85
No. 85B—One each Jane Cowl, Jersey's Beauty, Jersey's Beacon, Mrs. Ide Ver Warner, Rose Fallon and Sanhicans Bluebird. The 6 for.....	$1.95
No. 85C—One each Avalon, Charm, Claude Harlem, Ellinore Vanderveer, Jack Rose and Jean Kerr. The 6 for.....	$1.35
No. 85D—One each Bertha Horne, Countess of Lonsdale, Elite Gem, Esther Holmes and J. H. Jackson. The 5 for.....	$1.25
No. 85E—The collection of 9 Show or Ball shaped Dahlias for.....	$1.50
No. 85F—One each A. D. Livoni, Dreers White, Elsie Burgess, Gold Medal, Mars, and Yellow Duke. The 6 for.....	$1.00
No. 85G—The collection of 14 Pompon Dahlias for.....	$2.35
No. 85H—One each Baachus, Eureka, Little Herman, Rose Wilmouth, Snowclad and Sunset. The 6 for.....	$1.00

SHOW OR BALL SHAPED

Price any of the following, each 25c

A. D. LIVONI. A beautiful soft pink flower with quilled petals.

DREER'S WHITE. Glistening white, of good form. Free-flowering.

ELSIE BURGESS. Lavender-pink, of good size and form. A general favorite.

GOLD MEDAL. A Dahlia with autumn coloring, deep yellow, regularly striped and tipped dark crimson. A striking flower.

MARS. Bright scarlet, well formed flowers.

MAUDE ADAMS. A pure snowy white, very effectively overlaid clear delicate pink.

MRS. C. D. ANDERSON. Rich, clear purple. Large flowers, almost round in form.

MRS. JOHN BOWMAN. Large, golden yellow. Free bloomer with long, strong stems.

YELLOW DUKE. A splendid primrose-yellow of good form and strong stem.

POMPON DAHLIAS

Under this head come those small Bouquet Dahlias that are so popular for cut flowers.

Price any of the following, each 25c

BAACHUS. Clear, bright red rounded and full.
CARDINAL. Color, cardinal red.
CATHERINE. Bright yellow. Good form and stem.
EUREKA. Yellow shading to bronze.
LITTLE IRENE. Light yellow.
LITTLE HERMAN. Deep red, tipped white; very free.
NELLIE FRAZER. Light ground tipped rose.
NORA REYNOLDS. Indian red, very fine.
PHOEBEE. Orange red.
ROSA WILMOUTH. Small fine formed rose-pink.
SNOWCLAD. The best pure white pompon.
SUNSET. Brilliant orange-scarlet.
VIVID. Bright scarlet, very fine.
YELLOW GEM. A perfect neat, bright yellow.

SINGLE DAHLIA, AMERICAN GEM. A brilliant geranium-red with heavy cluster of deep yellow stamens in the center. Beginning to bloom early and continues until frost. Ideal for cut blooms, flower beds or border planting. Price, each, 25c; doz., $2.50.

UN-NAMED DOUBLE DAHLIAS. Undivided field clumps in white, pink, yellow, red or variegated, good sorts. Price, each, 35c; doz., $3.00, by express.

MIXED SINGLE AND DOUBLE DAHLIAS. Undivided field roots. Price, each, 25c; doz., $2.50, by express.

DAHLIA TUBERS. In white, pink, yellow, red or purple. Price, each, 15c; doz., $1.50, postpaid.

Vaughan's Hardy Phlox

THIS is one of the most useful flowers for summer decorations. Once planted, they require no special attention, but it is advisable to divide them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 feet. Our list contains the finest of the new introductions. All Phlox supplied in one-year-old field roots except where noted.

ANTONIN MERCIE. White with delicate bluish lilac suffusion. 3 for $1.00; doz., $3.50; 100, $20.00.

BARON VON DEDEM. Brilliant orange-scarlet with carmine eye. Immense trusses. 3 for 65c; doz., $2.00; 100, $12.00.

BEACON. A very fine brilliant bright cherry red. 3 for 85c; doz., $2.50; 100, $15.00.

BRIDESMAID. Pure white with large crimson-carmine eye. 3 for 85c; doz., $2.50; 100, $15.00.

B. COMTE. Wine-purple, satiny sheen. Large heads. 3 for $1.00; doz., $3.50; 100, $20.00.

CHAMPS ELYSSES. Dwarf, dark rosy magenta almost purple. 3 for 85c; doz., $2.50; 100, $15.00.

DEUTSCHLAND. Light crimson red. 3 for $1.00; doz., $3.50; 100, $20.00.

ETHEL PRITCHARD. Striking mauve or orchid shade. Large florets. 3 for $1.25; doz., $4.00; 100, $25.00.

EUROPA. Large white blooms with small red center dot. 3 for $1.00; doz., $3.50; 100, $20.00.

GOLIATH. Bright light purple, with a red eye. Strong and vigorous. 3 for 85c; doz., $2.50; 100, $15.00.

LA VAGUE. Pure mauve with aniline-red eye. 3 for 65c; doz., $2.00; 100, $12.00.

LE MAHDI. Immense dark purple flowers, medium height. Has a tendency to bleach in strong sun. 3 for $1.00; doz., $3.50; 100, $20.00.

LEO SCHLAGETER. A new carmine red. Large trusses and brilliant color. 3 for $1.50; doz., $5.00; 100, $35.00.

LORD RALEIGH. Deep mauve. Blooms late. Choice. 3 for 85c; doz., $2.50; 100, $15.00.

MISS LINGARD (Suffruticosa). Pure white; the earliest of all. Blooms, good for cut flowers. 3 for 85c; doz., $2.50; 100, $15.00.

MISS VON LASSBERG. Tall white, very large flowers. 3 for 65c; doz., $2.00; 100, $12.00.

MRS. CHAS. DORR. A tall, vigorous blue-mauve or lavender. 3 for 65c; doz., $2.00; 100, $12.00.

MRS. JENKINS. Early variety of medium height producing immense panicles of pure white flowers. 3 for 85c; doz., $2.50; 100, $15.00.

MRS. MILLY VON HOBOKEN. Pure soft pink without eye, large flower on long erect stems. 3 for $1.25; doz., $4.00; 100, $25.00.

OBERGARTNER WITTIG MIDSEASON. Enormous heads of large lilac-rose flowers with a lighter circle around a crimson eye. Medium height. 3 for $1.25; doz., $4.00; 100, $25.00.

PAINTED LADY. A pleasing delicate colored variety. Large florets of pale silvery pink with deep red eye. 3 for $1.25; doz., $4.00; 100, $25.00.

RHEINLANDER. A rare shade of salmon-pink intensified by a distinct claret-red eye. 3 for 85c; doz., $2.50; 100, $15.00.

RIVERTON JEWEL. A lovely mauve-rose illuminated by a brilliant carmine-red eye. 3 for 85c; doz., $2.50; 100, $15.00.

R. P. STRUTHERS. Rosy carmine shaded orange-scarlet. 3 for 85c; doz., $2.50; 100, $15.00.

RHYNSTROM. A beautiful rose pink without eye. 3 for 85c; doz., $2.50; 100, $15.00.

SALMON QUEEN. A true, clear, salmon-pink of large size. Vigorous and robust grower. 3 for $1.25; doz., $4.00; 100, $25.00.

THOR. A lovely shade of deep salmon-pink suffused and overlaid with a scarlet glow. A splendid variety. Late with tall vigorous growth. 3 for 65c; doz., $2.00; 100, $12.00.

VON HOCKBERG. Large size blood red blooms. The best deep red. 3 for $1.50; doz., $5.00; 100, $35.00.

MIXED. 1 year field-grown plants of a choice mixture of colors. 3 for 65c; doz., $2.00; 100, $12.00.

Collections

SPECIAL OFFER: No. 85I. One each of 10 varieties, our selection. All distinctly labeled for $2.25, prepaid.

SPECIAL OFFER: No. 85J. One each of 6 varieties (six plants), our selection. Distinctly labeled for $1.50, postpaid.

SPECIAL OFFER: No. 85K. Two plants each of 3 varieties (six plants), three distinct colors, our selection, for $1.40, postpaid.

Dwarf and Alpine Phlox

Used in rock gardens, for ground covers, for borders and interplanting.

AMOENA. Charming native variety, bright pink flowers. 6 in. April-May. 3 for 85c; doz., $2.50; 100, $15.00.

MISS VON LASSBERG

DIVARICATA CANADENSIS. A native species worthy of extensive planting. Blooms early April. Fragrant lavender flowers on stems 10 inches high. Prefer shade. 3 for 65c; doz., $2.00; 100, $12.00.

OVATA (Carolina). Rosy red flowers. 12 in. June-July. Same foliage as the late blooming sorts. 3 for 85c; doz., $2.50; 100, $15.00.

SUBULATA ALBA. Prostrate foliage, dainty white flowers in May and June, height 4 in. 3 for 65c; doz., $2.00; 100, $12.00.

SUBULATA ATRO-PURPUREA. A new variety. Dwarf, compact foliage, brilliant purple flowers in May. Height 4 in. 3 for $1.25; doz., $4.00; 100, $25.00.

SUBULATA LILACENA. Moss-like foliage of prostrate growth completely covered with pale lilac bloom in May and June. Height 4 in. 3 for 65c; doz., $2.00; 100, $12.00.

SUBULATA ROSEA. Same as above, but with dainty pink flowers. This and Alba are fine for graves. 3 for 65c; doz., $2.00; 100, $12.00.

SUBULATA VIVID. Similar to Subulata Rosea but more dwarf in growth and most profuse bloomer of all types. Bright pink with fiery red yee. 3 for $1.00; doz., $3.50; 100, $20.00.

MME. CAROLINE TESTOUT

RADIANCE

DAME EDITH HELEN

MRS. J. D. EISELE—Pat. No. 67

Vaughan's Garden Roses

HYBRID TEA (or Everblooming) ROSES

A Select List of Reliable and Hardy Varieties.

These Hybrid Tea Roses include the best of the outdoor bedding varieties. They possess the hardiness of the Hybrid Perpetual Roses and the free blooming habits of the Tea Roses. They are the most popular and useful of all Roses, supplying an abundance of beautiful flowers clear up to severe freezing weather. In severe winter climates they need complete winter protection.

Price of the following varieties:
Dormant Roses, 10 for $4.50; each 50c
Pot Plants, 10 for $6.50. Each 75c

DAME EDITH HELEN. (A. Dickson & Sons, 1926.) A clear pink rose of large size and full petaled. Strong and active in growth, giving an abundance of fine big blooms. Buds are shapely and substantial, opening to superb clear pink flowers. **Illustrated in color on outside back cover.**

GENERAL MACARTHUR. Rich crimson-scarlet, well-shaped flowers and very fragrant. Good disease-resistant bedding rose.

GRUSS AN TEPLITZ. Rich scarlet shading to crimson, very fragrant. A vigorous grower and in bloom all the time. One of the best outdoor bedding varieties. **Illustrated in color on outside back cover.**

HADLEY. Large full blooms, rich velvety crimson-scarlet. Very fragrant and free blooming.

KAISERIN AUGUSTE VICTORIA. Well formed creamy buds developing slowly to snowy white blooms of perfect form.

MARGARET McGREDY. Comparatively new and is a striking variety. Large Oriental red blooms, rich color and vigorous, bushy growth.

MME. BUTTERFLY. A glorified sport of Ophelia with all the colors of Ophelia intensified, making it a harmony of bright pink, apricot and gold.

MME. CAROLINE TESTOUT. Large flowers of satin rose, shaded lighter towards the edges of enormous petals. A persistent bloomer.

MRS. A. R. BARRACLOUGH. A large pink rose with clear light yellow shading at base of petals. Beautifully formed and unusually fragrant. It is a good bedding rose, being of large size, fine color and good shape.

MRS. ERSKINE PEMBROKE THOM. (Howard & Smith, 1926.) An unfading yellow with dark healthy foliage. Slender yellow buds opening to well shaped canary yellow blooms, deepening in the center. A satisfactory rose for bedding. **Illustrated in color on outside back cover.**

MRS. LOVELL SWISHER. (Howard & Smith, 1926.) A gorgeous salmon pink and gold rose, tinted flesh pink at edges of petals. Notable for size and beauty of blooms, also free habit of growth. Color is mainly pastel shades but desirable for contrast against the more vivid varieties.

RADIANCE. Brilliant rosy carmine, shaded with pink, large, full, of fine form. A constant bloomer and an excellent keeper in summer.

RED RADIANCE. Flowers clear cerise-red. Size, foliage, growth and habit same as in the parent Radiance. A fine variety for outdoor planting.

SOUVENIR DE CLAUDIUS PERNET. Flowers sunflower-yellow, unfading even in the warmest weather; foliage brilliant green. It was awarded the Gold Medal at the Bagatelle Garden trials in 1920 and in the same year also received Gold Medals at the Rose Show in Paris and Antwerp.

SUNBURST. The color is intense orange-copper and golden yellow. Buds, long and pointed, opening full and double.

All roses are F. O. B. Western Springs, Illinois. Pot Plants by Express Only.

HYBRID TEAS—Continued

TALISMAN. (Montgomery Co., 1929.) A remarkable blending of gold, apricot, yellow, deep pink, and old rose. The rose of many Gold Medals. The outside of the petals is bright yellow, gold and pink; unfolding they become bright apricot, gold and deep rose pink. As the bloom ages these colors become brighter. **Illustrated in color on outside back cover.**

STANDARD OR TREE ROSES

These ornamental and much prized roses are bush shape, grafted to a standard or trunk 3 foot high. Hybrid teas are mostly used and the bush or head is capable of bearing 30 to 50 blossoms each season. Need winter protection. We can supply the following varieties. Dormant only at $3.00 each; $25.00 for 10.

DAME EDITH HELEN
FRAU KARL DRUSCHKI
RED RADIANCE
GRUSS AN TEPLITZ
TALISMAN

VAUGHAN'S SPECIAL ROSE COLLECTION

Shipped by Express

COLLECTION No. 86B—TWELVE HYBRID TEA ROSES

(Our selection of 12 choice Hybrid Tea roses, one each of 12 different varieties.)

Dormant $4.75 Pot Plants $6.95

NEW PATENTED HYBRID TEA ROSES

COMTESSE VANDAL. (U.S. Plant Patent No. 38.) The sensational winner of medals and trophies at European Rose Shows. Perfect pointed buds, opening to large blooms. A novel coppery bronze, Salmon and gold combination.

Dormant, each, $1.50. Pot Plants, each, $1.75.

MARY HART. (A Red Talisman.) (U. S. Plant Patent No. 8.) Maroon-red buds, opening to well formed, velvety, blood-red blossoms. A unique sport of Talisman and a strong grower.

Dormant, each, $1.50. Pot Plants, each, $1.75.

MRS. J. D. EISELE. (The Perfumed Rose.) (U. S. Plant Patent No. 67.) Big, richly scented blooms of cherry rose color with scarlet glow and delicate silvery veining in petals. Flowers abundantly all summer and fall, producing large well formed blooms. Richly fragrant like the old fashioned rose of years ago.

Dormant, each, $1.50. Pot Plants, each, $1.50.

SOUVENIR. (Golden Talisman.) (U. S. Plant Patent No. 25.) A golden yellow rose of great beauty, possessing the characteristics of the famous Talisman, from which it originates.

Dormant, each, $1.00. Pot Plants, each, $1.25.

FAMOUS NEW HYBRID TEAS

Price of the following varieties:
Dormant Roses, 10 for $6.00; each 65c
Pot Plants, 10 for $8.00. Each 90c

E. G. HILL. (E. G. Hill Co., 1929.) A new red rose of striking form and color. Long, perfectly formed buds opening to high centered, full double flowers of dazzling scarlet, shading to deeper red as they develop. Free flowering, vigorous.

EDITH NELLIE PERKINS. (A. Dickson & Sons 1928.) A unique rose of many pastel shades. Buds long and pointed petals cream and blush and salmon pink shaded to golden orange at base. Robust growth and produces flowers in abundance.

ETOILE DE HOLLANDE. A most popular garden Rose. Brilliant crimson red, strong, vigorous grower; heavy bloomer and flowers are fragrant and beautiful in all stages of development.

JOANNA HILL. (J. H. Hill Co., 1928.) A new yellow rose with an orange heart. Vigorous in growth, and blooms are borne singly on long, strong stems. The buds are large and long pointed. A vigorous habit of growth shows it will be of merit as a bedding rose.

PRESIDENT HERBERT HOOVER. (L. B. Coddington, 1930.) A charming many colored rose. Deep copper red buds of fine form, opening to a lovely blending of orange yellow, flame, vivid rose-pink, and scarlet. Buds of superb shape, flowers large, and fragrant. A dazzling color effect to delight the eye.

Price of the following two varieties:
Dormant Roses, each $1.00; 10 for $9.00.
Pot Plants, each $1.15; 10 for $10.00.

AUTUMN. (Coddington, 1928.) Unique coloring, burnt orange streaked and marked with red. Medium size bud, developing to double fragrant bloom.

OLYMPIAD. (Pernet-Ducher, 1932.) A lustrous, dark oriental scarlet, its depth of color intensified by the golden base and a rich velvety sheen. Blooms are magnificent at every stage.

POT PLANTS

For spring planting pot grown roses are acknowledged to be the best. These 2 year field grown roses, which we put in pots in January and grow in cool greenhouses. By May they are in full leaf, possibly showing buds, and the roots are well established in a ball of soil. Planting is easy and there is no check in growth. These pot grown Roses will give earlier blooms and grow better than any other method of spring planting. **Pot grown roses not ready till May 1st.**

DORMANT

Some may prefer dormant plants for the following reasons: They may be planted earlier, they may be shipped by parcel post rather than by express if 5c per plant is remitted for postage. The planting of dormant roses in the Middle Western States should be done early in April.

DWARF POLYANTHA ROSES

These are entirely distinct from the larger flowered sorts, as flowers are borne in clusters of from 10 to 25 individual flowers. If planted in masses of 25 or more together, will make a very effective border or bed.

Price of the following varieties: Dormant Roses, 10 for $4.50; each 50c
Pot Plants, 10 for $6.50. Each 75c

CECILE BRUNNER. (The Sweetheart Rose.) The charm of this variety is in its beautifully proportioned buds and half open flowers. Soft, rosy pink on a background of creamy white.

CRIMSON BABY RAMBLER. Still a favorite. Flowers in clusters of 30 to 40; the foliage dark and glossy. A large bed in our grounds was constantly in bloom until November, even in the hottest weather.

ECHO. Pale pink double clusters in great profusion not unlike Baby Tausendschoen. A constant bloomer and very hardy. Used to contrast with the darker colors.

GLORIA MUNDI. An outstanding variety, newly introduced. Full double flowers of the most brilliant orange scarlet imaginable. Continuous bloomer and gives a rich colorful effect.

GOLDEN SALMON. New. Large clusters of striking reddish orange flowers, a striking color. Strong, vigorous grower.

GRUSS AN AACHEN. Orange-red and yellow buds, and large, light flesh-pink and salmon-yellow flowers with deeper center, fading lighter, very double. Strong branching plant, and continually in bloom.

IDEAL. An intense rich lustrous garnet. The flowers are not large but are produced in very large trusses and are very effective.

ORLEANS ROSE. Brilliant geranium-red, suffused rose and deep cerise. Bushy habit; grows and blooms freely; florets not crowded, but of beautiful arrangement and most lasting quality with their stiff, paper-like texture.

HARDY HYBRID PERPETUAL ROSES

Among garden lovers no hardy plants are so generally popular as the Hybrid Perpetuals, often called June Roses. Once established they are strong and hardy growers, bearing large globular flowers. While severe weather does not kill them, some protection in the way of a moderate covering of rotted straw, light manure or leaves is very advantageous, and necessary near and north of Chicago.

Price of the following varieties: Dormant Roses, 10 for $4.50; each, 50c
Pot Plants, 10 for $6.50; each 75c

FRAU KARL DRUSCHKI (WHITE AMERICAN BEAUTY). Pure white, long, immense buds and perfectly double flowers. For bedding and for cutting it is the finest in its class.

GEN. JACQUEMINOT. Bright shining crimson, shapely buds, fragrant. The Jack Rose is noted for its good qualities.

GEORG ARENDS. Pointed buds and blooms of pure soft pink, delicately perfumed. Very vigorous grower with good foliage.

PERSIAN YELLOW (AUSTRIAN BRIAR). The Hardy Yellow Rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens and among shrubs.

MAGNA CHARTA. An old favorite. Very double flowers, bright pink suffused carmine and heavily perfumed. Strong grower. Profuse bloomer.

MRS. JOHN LAING. Very free-flowering, commencing to bloom early in the season and continues to bloom profusely until late autumn. A soft delicate pink with a satiny sheen; very fragrant, fully double.

PAUL NEYRON. This magnificent rose is by far the largest variety in cultivation. Very double and full, deep rose and delightfully fragrant.

ULRICH BRUNNER. A rose of beautiful form and finish, brilliant cherry-crimson. Vigorous blooming continuously in the open.

Hardy Climbing Roses

CLIMBING AMERICAN BEAUTY

PATENTED ROSE BLAZE

Price of the following varieties: Dormant Roses, 10 for $4.50; each, 50c
Pot Plants, 10 for $6.50; each..... 75c

AMERICAN PILLAR. Large, flowers of bright crimson, with a clear white eye surrounding numerous golden yellow stamens. These flowers fade to an agreeable light pink and are in great clusters.

CLIMBING AMERICAN BEAUTY. A free-climber. Rosy crimson flowers, 3 to 4 inches across, produced freely in June and occasionally throughout the season. Very fragrant.

CHAPLIN'S PINK CLIMBER. Introduced in 1928, winning highest place in English National Rose Society's Spring Show. Lively pink blooms in clusters of 8 to 12 large and shapely flowers. A strong grower and excellent climber. One of the best new climbing roses.

CRIMSON RAMBLER. Scarlet red flowers borne in sprays. Vigorous grower. One of the best for covering a trellis, porch or unsightly fence.

DOROTHY PERKINS. Beautiful shell-pink double flowers in large clusters. Strong, vigorous grower, attaining a length of 20 feet in one season.

DR. W. VAN FLEET. The delicate flesh-pink flowers are full and double, of immense diameter; sweetly perfumed; beautiful bronze-green foliage.

EUGENE JACQUET. The earliest of all the climbers. Fragrant cherry-red flowers; handsome dark green foliage.

EXCELSA. Flowers very double, produced in large trusses, thirty to forty on a stem; intense crimson-maroon. Vigorous.

GARDENIA. Buds yellow, creamy white flowers with yellow centers. Vigorous and very hardy.

MME. GREGOIRE STAECHELIN. This new variety is the aristocrat of the climbing roses. Its beautiful flowers are of enormous size and are followed by attractive fruits as large as small seckle pears. The blooms are unmatched, being of an iridescent pearl-pink, splashed with carmine. Delightfully fragrant. Hardy vigorous grower with large, disease-resistant foliage.

PAUL'S SCARLET CLIMBER. A most important addition to the Climbing Roses; none can compare with it for brilliancy of color, which is a vivid scarlet. A strong climber and perfectly hardy.

PRIMROSE. A pure yellow, hardy climbing rose. Its large, double flowers are a soft, rich primrose yellow, and are borne in clusters of 4 and 5 on an extremely vigorous plant, with beautiful foliage. Very new and we believe the most satisfactory yellow climber for the north.

WHITE DOROTHY. A white form of Dorothy Perkins. Large clusters of double white flowers.

All roses are F. O. B. Western Springs, Illinois. Pot Plants by Express Only.

Climbing roses have been constantly in demand, for vines are needed to decorate every home and when such also produce roses, the pleasure is magnified many fold. They are used as screen planting and in borders or for beautifying the unsightly; for ornamenting terraces, banks, rockeries, old stumps or boundary fences; and for covering archways, arbors, pergolas and summer-houses.

NEW PATENTED CLIMBING ROSES

BLAZE. (The new hardy Everblooming Scarlet Climber.) (U. S. Plant Patent No. 10.) A marvelous, hardy, everblooming scarlet-red rose, combining the bloom and growth of Pauls Scarlet Climber with the everblooming character of Gruss an Teplitz. Blooms are double, often 4 inches diameter and plant is a vigorous climber. A rose destined for enormous popularity.

Dormant, each, $2.00. Pot Plants, each, $2.00.

GOLDEN CLIMBER. (Mrs. Arthur Curtis James.) (U. S. Plant Patent No. 28.) A new climber of tested hardiness. Lovely golden buds with heavy markings of orange scarlet that disappear as they open to fragrant semi-double golden yellow blooms, borne singly on long stems. Successive crops of blooms throughout season.

Dormant, each, $2.00. Pot Plants, each, $2.00.

THE NEW DAWN. (The Hardy Everblooming Dr. Van Fleet.) (U. S. Plant Patent No. 1, dated August 18, 1931.) The first patented rose and the first everblooming climbing rose. A sport from Dr. Van Fleet having same habit of growth. The delicate flesh pink flowers are fragrant and open to large blooms. The foliage is a bronze-green and it is a strong, vigorous grower.

Dormant, each, $1.50. Pot Plants, each, $1.50.

PATENTED ROSE GOLDEN CLIMBER

Garden Chrysanthemums

COLLECTION 88A. Our selection 6 different colors, Large Flowering outdoor type Chrysanthemums. 6 plants for $1.00, not prepaid.

ALL CHRYSANTHEMUMS need the protection of a heavy mulch and are benefited by being annually divided in the spring. The clumps grow old in the center; and frost action lifts their shallow roots. In spring divide the roots, planting the younger growth firmly in new locations; earlier and more vigorous flowers will result. Sturdy plants, pot grown in our own greenhouses, F.O.B. Western Springs, Ill. We recommend parcel post shipment; weight, 6 ounces per plant.

Large-Flowered

Outdoor Type As Illustrated

***A. BARHAM.** A beautiful orange bronze, flowers 2 in. across. Matures Oct. 5.

***CARRIE.** Deep yellow flowers in clusters. Commences blooming in August and continues until frosts.

***CRANFORDIA WHITE.** Pure white flowers, solid and on long stems. Blooms Oct. 15.

***EDEN.** Bright rose in graceful sprays. Flowers Oct. 5.

***FIREFLY.** Reddish bronze, almost maroon. Large blooms commencing Oct. 12.

FRANCIS WHITTLESEY. Rich bronze and garnet red. Low growing, blooms in late September. Striking variety showing almost red.

GYPSY GIRL. Deep chestnut-crimson, single flowers. Blooms from early October to heavy frosts.

IDOLF. Flesh pink, always a heavy bloomer. Flowers about Oct. 8th.

***MURILLO.** Pale pink, begins to flower Oct. 1st. Profuse bloomer, fine for cutting.

OCTOBER DAWN. Dainty pale pink flowers 2 in. in diameter on well branched stalks. In full bloom by Oct. 10.

OCTOBER GIRL. Large bright pink blooms. Single to semi-double. Flowers in late September. A very prolific bloomer.

RUTH CUMMING. Blooms Oct. 10. A rich reddish bronze with terra cotta and lighter tones. Good cut flower.

RUTH HATTON. Clear ivory white with lemon shading in center. Very hardy and blooms Oct. 4.

R. MARION HATTON. Lemon yellow. Shapely, compact blooms, medium size and borne in profusion. Commences blooming in late September. **Prices** of New and Recent Introductions, 3 for $1.00; doz., $3.50; 100, $20.00.

WOLVERINE. Very early, flowering about the same time as Carrie in late August and continues till frosts.

***YELLOW NORMANDIE.** One of the best. A deep yellow showing buff when opening. Hardy, blooms from Oct. 1 to severe frosts.

Prices of above Large Flowered Type, 3 for 85c; doz., $2.50; 100, $15.00

New and Recent Introductions

ALADDIN. The new large flowering early variety, winner of many awards. Lovely terra cotta-bronze, starts blooming in August and continues until heavy frost. No garden should be without it. **Plants**, 3 for $1.00; doz., $3.00; 100, $20.00.

GOLD LACE. Deep yellow single blooms, daisy-like appearance. Entirely different to average fall Chrysanthemum. Blooms Oct. 10.

JEAN TREADWAY. Large, handsome light pink flowers with dark pink centers. Very distinctive, dark foliage and free blooming. At its best in mid October.

JEWEL. Large button like flowers of deep pink. An unusual type, good for cutting. Blooms Oct. 5.

PROVENCE. Large, very double pale pink blooms shading to deep yellow in center. Most attractive and covered with bloom in early October.

SEPTEMBER BRONZE. Medium size, perfectly shaped button-like blooms of a rich, light bronze. Low and busy with many flowers. Blooms in late September and continues till end of season. **Prices** of New and Recent Introductions, 3 for $1.00; doz., $3.50; 100, $20.00.

Button Type

BESSIE BROWN. Warm Chestnut bronze. Very effective with yellow. Blooms Oct. 15.

METZI. Bronze, darker center. Blooms Oct. 10.

***RODELL.** Yellow button very bushy. Flowers Oct. 10.

SKIBO. Yellow with bronzy red center. Oct. 15. **Prices** of All Button Type. 3 for 85c; doz., $2.50; 100, $15.00.

COLLECTION 92B. One each of the 4 Button Type Chrysanthemums. 85c, not prepaid.

***Illustrated in Color on Fourth Front Cover Page.**

My Pansies this year have been lovely—the first I ever raised—and all the things that came this Spring are growing well too. Especially the "Century of Progress" Collection of Gladioli which is too nice for words."

Mrs. D. S. H., New York City, N. Y.

Vaughan's Cannas

The Four Leaders

***King Humbert.** 4 feet. Scarlet flowers, bronze leaves. This remarkable "Gold Medal" Canna has been the sensation of the past twelve years.

***Yellow King Humbert.** 4 feet. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red. An orchid flowering sport of the well-known variety King Humbert.

***Hungaria.** 3½ feet. The best pink Canna. Leaves bluish green, never burn. Flowers very large, with immense petals. Three-inch pot plants, each, 35c; doz., $3.25; 100, $20.00.

***The President.** 4 feet. A rich glowing scarlet with immense flowers, produced on strong erect stalks; green foliage.

Price, except where noted, three-inch pot plants, each, 30c; doz., $3.00; 100, $18.00.

SPECIAL OFFER No. 92. One each of the above four Cannas, three-inch pot plants, for $1.25.

New Introduction

***COPPER GIANT.** 4 ft. Madder red and old rose. Immense flowers with the shade of burnished copper. Green foliage. Three-inch pot plants, each, 50c; doz., $4.00; 100, $25.00.

PENNISETUM CUPREUM

The bronzy, Ornamental Grass that attracted so much attention at The World's Fair. Needs rich soil and sunny location. Plants, each, 40c; doz., $3.00; 100, $20.00.

Vaughan's Standard Varieties

AMBASSADOR. 3½ to 4 feet. Bronze foliage; color poppy red; very brilliant flowers.

KING MIDAS. 4 feet. Large flowers of glittering gamboge-yellow. Green foliage.

CITY OF PORTLAND. 3½ feet. A deep pink which does not fade in hot weather.

DR. E. ACKERNECHT. 4 feet. Large flowers in a loose truss. Rich cerise pink flecked with deeper carmine.

EUREKA. 4 feet. Remarkably free-flowering variety and with its striking white flowers, which first appear cream, and green foliage.

FLORENCE VAUGHAN. 5 feet. The most famous yellow Canna. Introduced by us in 1892, it still remains indispensable in its class. Green foliage.

GAIETY. 4 feet. Scarlet-orange mottled with carmine and edged clear yellow. Green foliage.

***LOUISIANA.** 6 feet Very large beautiful vivid scarlet flowers. Foliage a glossy green.

MRS. ALFRED F. CONARD. 4 feet. Flowers salmon-pink of large size. Green foliage.

SHENANDOAH. 4 feet. Pink. Exactly like Mrs. Alfred F. Conard, except foliage is light bronze.

***STATUE OF LIBERTY.** 6 feet. An extremely vigorous grower. Bronze foliage and orange-scarlet flowers.

***WINTZER'S COLOSSAL.** 5 feet. A striking vivid scarlet that retains its brilliancy.

VAUGHAN'S STANDARD VARIETIES. Three-inch pot plants, each, 30c; doz., $3.00; 100, $15.00.

All Canna plants F. O. B. our Greenhouses, Western Springs, Illinois. We recommend shipment by express of four or more plants.

(*)Equals Orchid Flowering Varieties.

Number of Cannas required for round beds planted eighteen inches apart each way: Seven feet—19 plants one for center; six for first row, twelve for second row. Ten feet—37 plants, one for center; six for first row, twelve for second row, eighteen for third row. Thirteen feet—61 plants, one for center; six for first row, twelve for second row, eighteen for third row, twenty-four for fourth row.

HUNGARIA

Surprise Collections

TOWARDS the close of our spring shipping season we have a surplus in many varieties of plants. Generally we dispose of them to wholesale customers but this year we are offering the following bargains. Shipment to be made at close of our regular shipping season, June 1 to 15th, and selection of varieties to be left with us. We guarantee these Surprise collections to contain a good selection of varieties at about half our regular price. All varieties are labeled. All Surprise Collections are priced F.O.B. Western Springs, Ill. Orders of not more than six plants may be shipped by parcel post, for which postage should be enclosed. Average shipping weight for six plants or less, 3 pounds. Orders for more than six plants must be shipped by express, at buyer's expense.

PERENNIALS

6 for 90 cents; 12 for $1.75; 25 for $3.25

These plants are to be varieties of our selection but you may specify whether the plants are to be Tall, for background effect; Medium, for middle ground and average border planting, Dwarf for edging and bedding effects, or Mixed, the shipment containing a mixture of all sizes.

DELPHINIUMS

4 different varieties, 85 cents; 12 for $2.25; 25 for $4.25.

Our perennial delphiniums include all the well known types grown from seeds of selected strains. You may count upon plants of giant flowered hybrids including a good variety of coloring at a large saving.

HARDY ROCK PLANTS

6 for 90 cents; 12 for $1.75; 25 for $3.25

We grow a large collection of perennial rock plants, suited in habit of growth and soil preference for thriving in the rock garden and adding beauty and interest to it. Many are rare varieties, distinguished both for beautiful flowers and decorative foliage. Surprise collections are made up from the varieties on hand June 1.

HARDY CHRYSANTHEMUMS

6 plants, all different, 90 cents; 12, not less than 6 varieties, $1.75; 25, not less than 10 varieties, $3.25.

Since the climate of Chicago is especially trying on hardy chrysanthemums, we have concentrated upon testing varieties in order to select the hardiest, freest flowering and above all, the **earliest** of hardy garden chrysanthemums. We retain only those which have passed our tests and have now approved of a large number including all attractive colors, from which Surprise Collections will be chosen June 1.

HARDY PHLOX

4 plants, all different, 90 cents; 12, not less than 6 varieties, $2.50; 25 not less than ten varieties, $4.75.

Hardy phlox is the dominant flower in the perennial border during late July and August. We grow the finest new giant flowered varieties of the beautiful soft pinks, bright reds, lavenders, white and white with markings. Surprise collections are chosen from varieties on hand June 1.

All other Collections on this page are shipped at proper planting time.

Peonies

Peonies may be planted in the fall or spring. Orders should be sent at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of the shy blooming; 2 inches of soil over the crown (eyes) being sufficient.

Pink Varieties

Edulis Superba. Bright mauve-pink. **35c.**
Mad. Ducel. Light rose, **35c.**
Mons. Jules Elie. Glistening lilac-pink. **50c.**
Reine Hortense. Enormous flowers of hydrangea-pink. Strong growing. **50c.**

White Varieties

Avalanche. White penciled carmine. **35c.**
Festiva Maxima. White dotted carmine. **35c.**
Duchess de Nemours. Sulphur-white. **35c.**
Mad. de Verneville. Blush white. **35c.**

Red Varieties

Felix Crousse. Dazzling ruby-red. **35c.**
Karl Rosefield. Rich velvety-crimson. **50c.**
Marechal Vaillant. American beauty color. **35c.**
Tenuifolia Flora Plena. (Fern-leaf Peony.) Full double, brilliant crimson. Very early, **$2.00.**

Un-named Sorts

Double White. Divided roots. Each, **25c.**
Double Pink. Divided roots. Each, **25c.**
Double Red. Divided roots. Each, **25c.**

Bargain Peony Collections

1 each: Edulis Superba—bright pink, Felix Crousse—ruby-red, Festiva Maxima—large white, Marechal Vaillant—American beauty color, Duchess de Nemours — sulphur-white, and Reine Hortense — hydrangea-pink. (value $2.25) for only **$1.50.**

Shady Border Collection

A valuable assortment of 25 hardy Perennials which thrive in partial to almost total shade. We send Aquilegias, Funkias, Lythrum, Monarda, Polemonium, Violas and other good varieties to brighten a shady spot, 12 different varieties in every collection, each carefully labeled.

No. 89A. "SHADY BORDER" Perennial Collection 25 plants, our selection of varieties, for **$3.75.**

Evergreens for Rock Garden

CANADIAN Juniper (Juniperus Canadensis). Of low spreading form with glaucous green foliage.

PFITZER Juniper (Juniperus Pfitzeriana). Best of all evergreens. Of broad, spreading habit with rich green foliage.

SAVIN Juniper (Juniperus Sabina). Spreading, semi-erect branches with dark green foliage.

COLORADO SPRUCE. (Picea Pungens). One of our most popular evergreens.

MUGHO PINE. (Pinus Montana Mughus). Of dwarf, round compact growth; foliage bright green in winter and summer.

2 each of the above, 8 to 10 in., 10 plants for **$3.75.**
1 each of the above, 8 to 10 in., 5 plants for **$2.00.**

All Collections on this page, except where noted, are f. o. b. Western Springs, Ill. We advise shipment by Express.

Strawberry Plants

Strong Field Grown Plants, Shipped from Early Spring up to May 15th

AROMA. Late. One of the most popular late varieties. Berry is roundish, conical, smooth and of a beautiful bright glossy red.

DR. BURRELL. Mid-season. The berries are large, delicious and beautifully formed. It ripens a few days earlier than Dunlap.

COOPER. Mid-season. The large size and the beautiful brilliant color of the berries immediately attracts the attention of every one. This variety is adaptable to a wider range of soils and climate than any other variety.

GIBSON. Medium early. Color rich red. Flavor is neither sweet nor sour, but just right for canning.

PREMIER. Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper.

Special Offer No. 89.

A Strawberry collection, 100 fine strong plants (Spring delivery only) in four good sorts, our selection, postpaid, for $1.35.

SENATOR DUNLAP. Mid-season. The fruit is dark red with glossy finish. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the beginner as well as with the veteran grower.

PRICE, on the above varieties, postpaid up to the 4th zone, 25 for 50c; 100 plants for $1.50. Postpaid from 4th zone to 8th zone, 25 for 60c; 100 for $1.60. By express, at buyer's expense, 100 for $1.30; 250 for $2.75; 500 for $5.00; 1,000 for $9.00.

The Leading Everbearing Varieties

CHAMPION. Fruit similar to Dunlap in size, shape and color. In addition to the wonderful fall crop produced by the Champion they are the earliest to ripen in the spring.

Price, 25 for 75c; 100 for $2.00, postpaid to the 4th zone. 250 for $4.50; 500 for $8.00; 1,000 for $15.00, by express.

MASTODON. The world's greatest everbearer because nothing like it was ever achieved before, producing nearly 6000 quarts per acre during August, September, October and November. In size, quality, flavor and appearance Mastodon heads the list.

Price, 25 for $1.00; 100 for $3.00, postpaid to 4th zone. 250 for $6.00; 500 for $10.00; 1,000 for $18.00, by express.

Hybrid Rhododendrons

2 Mixed Hybrids, 8 to 12 in., B. & B., for **$1.25.**
4 Mixed Hybrids, 8 to 12 in., B. & B., for **$2.45.**

See also page 101

Cut Flower Collection

Lovers of cut-flowers can depend on our careful selection in this collection of 25 Perennials for cut-flowers. We include Achillea, Aster, Delphinium, Pyrethrum, Shasty Daisy, Veronica and other good cut-flower varieties. All carefully labeled and at least 15 different varieties.

No. 89B. "CUT-FLOWER" Perennial Collection. 25 plants, our selection of varieties, for **$4.00.**

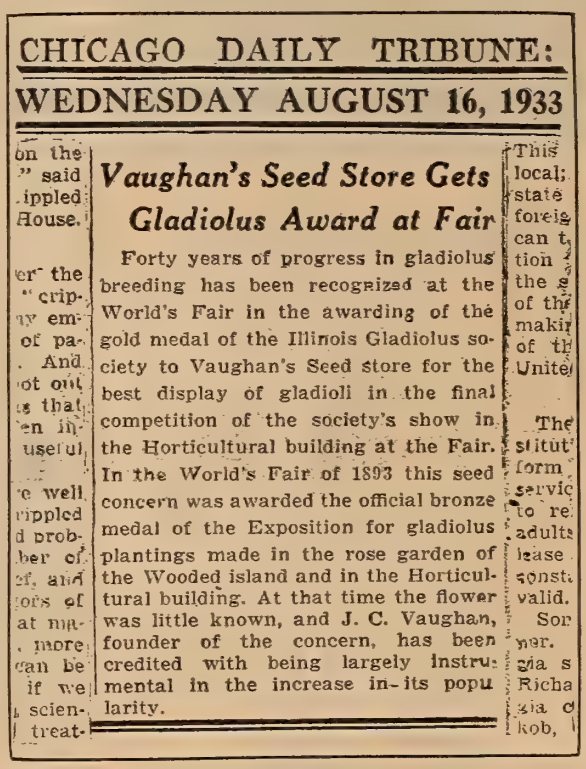
Vaughan's Gladioli

VAUGHAN'S Seed Store has been identified with the development of gladioli in America since its beginning. We are now the largest growers of gladioli in this country. On our farms in Illinois and Michigan we devote more than 250 acres to gladiolus culture. Visitors are welcomed during the flowering season, July 15th to Oct. 1, at our Michigan farms at Ovid, on Michigan route 21, 13 miles west of Owosso. On the pages following this named varieties are listed, classified by color.

Gold Coast Collection One Each of 20 Bulbs $1.75

One each of the varieties listed below (20 bulbs), $1.75 prepaid.
Two each of the varieties listed below (40 bulbs), $3.00 prepaid.
Five each of the varieties listed below (100 bulbs), $7.00 prepaid.

ALMA Immense flowers of light orchid.
BETTY NUTHALL. The best orange-pink.
BYRON L. SMITH. Light lavender, pale throat.
CHARLES DICKENS. A beautiful violet-purple.
DR. F. E. BENNETT. Scarlet, throat stippled with ruby and white.
EDITH MASON. Delicate geranium pink.
FLORENCE. Bright lilac.
FLANDERS. Brilliant scarlet of the Primulinus type.
GIANT NYMPH. Great showy blooms of La France pink.
GOLDEN MEASURE. Golden yellow.
HEINRICH KANZLEITER. Brilliant dark velvety blood-red.
MRS. L. S. HUBBARD. A plum colored Primulinus.
MRS. LEON DOUGLAS. Begonia-rose striped with flame and brilliant scarlet.
MRS. P. W. SISSON. Immense ruffled soft pink.
ORANGE QUEEN. Pure orange colored, large flowered Primulinus.
PURPLE GLORY. Ruffled velvety light maroon.
ROSE ASH. Very strong, large old rose "smoky."
SCARLET WONDER. Deep scarlet.
SOVEREIGN. Best purple variety.
VAUGHAN WHITE. Pure white.



CHICAGO DAILY TRIBUNE:
WEDNESDAY AUGUST 16, 1933

Vaughan's Seed Store Gets Gladiolus Award at Fair

Forty years of progress in gladiolus breeding has been recognized at the World's Fair in the awarding of the gold medal of the Illinois Gladiolus society to Vaughan's Seed store for the best display of gladioli in the final competition of the society's show in the Horticultural building at the Fair. In the World's Fair of 1893 this seed concern was awarded the official bronze medal of the Exposition for gladiolus plantings made in the rose garden of the Wooded island and in the Horticultural building. At that time the flower was little known, and J. C. Vaughan, founder of the concern, has been credited with being largely instrumental in the increase in its popularity.

A Century of Progress Gold Medal awarded to Vaughan's Seed Store at the Illinois Gladiolus Society, 1933 Exhibition in the Horticultural Building.

Vaughan's World's Fair Mixture 15 Large Bulbs - - - - $1.00

This is the best mixture which our collection permits, and we believe unexcelled by any obtainable elsewhere. Each lot, whether in dozens, 50s or 100s, of all Vaughan's Mixtures, is put up separately to insure correct proportions. Price, 15 Bulbs, all different, $1.00, postpaid; by express, not prepaid, 50 for $2.75; 100 for $5.00; 250 for $11.50; 500 for $21.00.

Vaughan's "Standard" Mixture 50 Bulbs - - - - $1.40

We have thrown away all the common and cheap leftover which our trial grounds have proved to exist in old mixtures. We do not send out any mixtures that will not make a brilliant showing in the gardens of our customers. This one, "STANDARD" MIXED, will be found satisfactory everywhere, for mixed beds, borders and masses, and offered at very moderate prices. These are first-size bulbs. Where wanted by mail add for postage at zone rates, 100 bulbs packed, 6 lbs.

Price, doz., 40c, postpaid; by express, not prepaid, 50 for $1.40; 100 for $2.50; 250 for $6.00; 500 for $11.50; per 1,000, $22.00.

Primulinus Hybrids Mixed 100 Bulbs - - - - - $4.00

The range of colors is from the purest and lightest of yellows to deepest orange and from the softest shade of salmon-pink to rich crimson. On account of their slender and graceful habit, delicate colors and shape of the flowers they are ideal for vases. Each, 10c; doz., 60c; 100, $4.00.

Century of Progress Collection 60 Bulbs - - - - - $1.00

A dollar never bought more beauty than our **Special Offer of 60 Flowering Size Bulbs of Vaughan's Glorious Gladioli,** including not less than six **Varieties** (our selection), ten each, all separately bagged and labeled. **60 BULBS, Flowering Size, not less than Six Varieties, postpaid, for $1.00.**

Collection No. 600B — Smoky Mixture 12 Bulbs - - - - $1.00

A mixture of "smoky" varieties, this name having been adopted by the American Gladiolus Society for a type of coloring which consists of a soft blend of many tones, in misty effects, for which the vocabulary of color provides no exact names. This mixture includes many seedlings never introduced; and affords a most interesting assortment of odd, artistic colorings. Doz., $1.00.

Vaughan's Novelties at Greatly Reduced Prices

*BLUE ROYALE (Vaughan). True violet-blue. Very prolific and much larger, taller and stronger grower than any other blue we or any one else have ever introduced. In season it is later than Rosa Raisa or Mrs. T. J. Knudson. It won first place as the best purple or violet at Atlantic City show. An outstanding advance in this new color. Each, $2.00; doz., $20.00.

*CADILLAC (Vaughan). Tallspike, flowers well placed and of good form. 7 open at one time, 5 to 7 buds. Color golden apricot fading to apricot-rose toward edge of petals, no throat markings, stamens and pistils creamy white. A very warm and pleasing shade. Each, 75c; doz., $7.50.

*CANYON VIOLET (Vaughan). Another of the famous Vaughan Violet and Blue shade varieties. Deep violet-blue with a darker and larger bloom than our Rosa Raisa or Blue Royale. Very tall and a strong grower. Each, $2.00; doz., $20.00.

*DEARBORN (Vaughan). Immense florets of deep flesh color, light coral reflex, lip amber yellow, blending to flesh, marked with a feathering of deep crimson. Tall, straight spike with twenty or more florets, four to six open at a time, measuring five to six inches in diameter. A giant gladiolus that blooms early. Each, 50c; doz., $5.00.

*GRAND RAPIDS (Vaughan). Light lavender with a white throat marked with a small blotch of lilac, anthers pure white, reflex of darker lavender, flowers well placed medium size, 8 to 10 open together. Medium height, early, type of Minuet. First prize at Michigan Gladiolus show for best lavender seedling. Each, 35c; doz., $3.50.

*MRS. T. J. KNUDSON (Vaughan). This is one of the Vaughan's blues much admired at all shows and in a class with Rosa Raisa. Clear light violet, shading deeper towards the outer edge of petals. The throat has a deep violet plume, tipped or capped by a characteristic bright creamy spire giving it a very striking effect. Florets are medium in size, with many well placed, open at one time. This is an outstanding introduction in a color-class where good varieties are scarce. Mid-season, strong grower of good height. Each, 75c; doz., $7.50.

*MRS. FRANCES L. KARCHER (Vaughan). Light salmon blending to an orange on outer edge of petals, throat petals striped with crimson. Reflex orange-crimson. Tall straight spike, flowers well placed, 6 to 8 blooms open, free bloomer, early. An ideal commercial orange-scarlet. First at Michigan show for best orange and best commercial seedling. A fine cut-flower. Each, $1.00; doz., $10.00.

*MARY SHARY (Vaughan). Clear soft primrose-yellow with a deeper yellow in throat, faint marking in throat. Spike tall, straight and strong. Flowers well placed, 6 to 8 open. By artificial light remains a beautiful yellow for evening decorations. Each, 75c; doz., $7.50

*POMPADOUR (Vaughan). Extra tall and strong, upright spike, 9 flowers open, 14 buds. Flowers well placed, remarkable texture, of good form and size, ruffled. Color pale ivory, tip deep cream, narrow line of crimson-lake on three lower petals; stamens slate-violet, pistil white. Very desirable. Each, $2.00; doz., $20.00.

*RHAPSODY IN BLUE (Vaughan). Pale blue violet with deep violet throat. Flowers well placed, many open at once. A distinct acquisition to the all too few good blues. Each, $5.00; doz., $50.00.

*ROSA RAISA (Vaughan). Long spike, flowers well placed and of very good size; 4 open at one time, 10 buds. Color, lower 3 petals blotched with violet, upper petals pale mauve shading to violet edge. Stamens violet. Compared to "Veilchenblau," flowers larger, contrast between upper and lower petals more intense. A better propagator. Each, 75c; doz., $7.50.

*TAWNY (Vaughan). Very tall spike (50 inches), 7 large flowers open, 10 buds, flowers well placed. Color deep rose-apricot faintly laid with pale rose-violet at the edges. Remarkably silky texture. Very large flowers well placed, stamens and pistils white. An outstanding flower. Each, 50c; doz., $5.00.

*This mark indicates the variety was first introduced by Vaughan's Seed Store. Chicago and New York. Ask for Complete List.
The price for single bulbs and by the doz. as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c doz.

Vaughan's Glorious Gladioli

SHADES OF RED and SCARLET

A. W. HUNT (Christy). Immense flowers of brilliant orange-red. Each, 10c; doz., $1.00; 100, $7.00.

CHATEAU THIERRY (Vos). Orange-cerise, with yellow bordered red blotch. Each, 10c; doz., 60c; 100, $4.00.

COMMANDER KOEHL. An outstanding variety in form and color. Gigantic flowers of dark scarlet, well formed, no blotches. Each, 20c; doz., $2.00; 100, $15.00.

CRIMSON GLOW (Betscher). Scarlet, with slight stipplings of primrose-yellow in throat, overlaid with velvety scarlet blotch. Each, 10c; doz., 50c; 100, $3.00.

DIANA (Zeestraten). Clear, rich blood-red, well placed and beautifully formed. Each, 10c; doz., 60c; 100, $4.00.

DR. F. E. BENNETT. Scarlet throat stippled with ruby and white. Big, vigorous, a ribbon winner. Each, 10c; doz., 60c; 100, $4.00.

EARLY SUNRISE (Alkemande). Flowers of this variety are extra large, bright salmon-scarlet in color, and extremely early. Each, 10c; doz., 60c; 100, $4.00.

***FLANDERS (Vaughan).** Red Primulinus. Tall spike, 10 open flowers, 10 buds. Flowers well placed, wide open, brilliant orange-violet, stamens light. Each, 10c; doz., 60c; 100, $4.00.

FOREST FIRE. Flowers are a dazzling shade of orange-scarlet, gigantic in size. Each, 25c; doz., $2.50; 100, $18.00.

HEINRICH KANZLEITER (Pfitzer). Brilliant dark, velvety blood-red, the largest and earliest of dark gladiolus. Each, 10c; doz., $1.00; 100, $7.00.

ILLUMINATOR (Hinkle). Deep carmine red. Each, 10c; doz., $1.00; 100, $7.00.

***IMPROVED MARTHA WASHINGTON (Vaughan).** Perfect flowers of light red, with dark, almost black, blotches on the three lower petals, are set evenly on a tall, strong stem. Each, 35c; doz., $3.50; 100, $25.00.

LUSTRE (Kunderd). A tall, large flowered variety of brilliant orange-vermilion. Each, 10c; doz., 60c; 100, $4.00.

MARTHA PHILLIPS (Vaughan). Dark solid red. Each, 10c; doz., 60c; 100, $4.00.

MRS. DR. HAUFF (Pfitzer). The best brilliant scarlet gladiolus, many large flowers open at the same time, make a very fine spike. Each, 20c; doz., $2.00; 100, $15.00.

MRS. FRANCIS KING (Coblentz). Vermilion, shaded salmon. Each, 10c; doz., 50c; 100, $3.00.

***MRS. JULIUS ROSENWALD (Vaughan).** Deep wine-red. Each, 50c; doz., $5.00.

ORPHEUS (Pfitzer). Fine blood-red, with many blooms open at one time. Each, 15c; doz., $1.50; 100, $10.00.

PERSIA (National Bulb). A maroon-red so dark it appears black. Each, 10c; doz., 75c; 100, $5.00.

PFITZER'S TRIUMPH (Pfitzer). Salmon-red with darker blotch. Very large flower. Each, 15c; doz., $1.50; 100, $10.00.

PRINCEPS (Fleet). The parent of modern gladiolus, Immense scarlet, white throat. Each, 10c; doz., $1.00; 100, $7.00.

***RIDINGHOOD (Vaughan).** Prim. A beautiful red primulinus. Each, 10c; doz., 50c; 100, $3.00.

SCARLET WONDER (Cowee). Mammoth flowers of clear, deep scarlet. Each, 10c; doz., $1.00; 100, $7.00.

SCARLET PRINCEPS (Kunderd). Brilliant scarlet with slightly darker throat. Each, 10c; doz., 50c; 100, $3.00.

RED SHADES MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, $3.00.

PINK AND ROSE SHADES

BALBOA (Briggs). Glowing apricot-pink. Each, 20c; doz., $2.00; 100, $15.00.

BETTY NUTHALL (Salbach). One of the outstanding gladiolus of recent introduction. Light coral with pale orange throat and light feathering of carmine. A beautiful large flowered variety. Each, 10c; doz., $1.00; 100, $7.00.

***BIJOU (Vaughan).** Primulinus. Flowers of good size, well open, slightly ruffled pinkish apricot, lower side petals primrose-yellow small crimson blotches at base of petals. Flowers well placed. A most charming variety. Height, 30 inches. Each, 25c; doz., $2.50; 100, $18.00.

***CLARA ADAMS (Vaughan).** Light pink with a crimson-marked throat. Large, well expanded flowers. Each, 10c; doz., 60c; 100, $4.00.

***EDITH MASON (Vaughan).** Delicate geranium-pink, an exquisite color. Each, 15c; doz., $1.50; 100, $10.00.

GIANT NYMPH

PRIDE OF WANAKAH

RIDINGHOOD

PINK AND ROSE SHADES—Continued

ELIZABETH TABOR (Hinkle). This variety blooms before all others, has flowers of delicate rosy pink on white ground, with the lower petals bearing a rich, dark crimson blotch which terminates in a diamond of soft yellow. Each, 10c; doz., 60c; 100, $4.00.

***ELSIE McCORMICK (Vaughan).** Perhaps the best of our introductions. The flowers are large, beautiful rose-pink in color, with many blossoms open at one time. Each, 10c; doz., 60c; 100, $4.00.

FAY LAMPHIER (Williams). Large, well-expanded flowers of geranium-pink, overlaid with scarlet, as beautiful as its namesake, the Queen of Beauty. Each, 10c; doz., 90c; 100, $6.00.

GIANT NYMPH (Coleman). LaFrance pink with creamy yellow throat. Each, 10c; doz., 50c; 100, $3.00.

HERBSTZAUBER (Pfitzer). Lacking words to justly describe its beauty, all we can say is that it is the most wonderful copper-salmon, fittingly called "Autumn Fascination." Each, 30c; doz., $3.00; 100, $20.00.

JACK LONDON (Diener). Light salmon, suffused and striped vermilion. Each, 10c; doz., 75c; 100, $5.00.

***LANSING (Vaughan).** A large flowered pink of very vigorous growth. Each, 20c; doz., $2.00; 100, $15.00.

LONGFELLOW (Dec.). Large, wide open La France pink. Each, 10c; doz., 75c; 100, $5.00.

LOS ANGELES (Houdyshel). Attractively hooded flowers of bright pink shading to geranium-pink, are gracefully arranged on medium tall spikes. Each, 10c; doz., 50c; 100, $3.00.

***L. W. WHEELER (Vaughan).** Medium sized, rounded flowers of pink, suffused with yellow and blotched crimson. Each, 10c; doz., 75c; 100, $5.00.

***MARY H. DICK (Vaughan).** A tall, pink primulinus, especially adapted to basket work. Each, 10c; doz., 60c; 100, $4.00.

MISS MADISON Delicate pink. Each, 10c; doz., 90c; 100, $6.00.

MILDRED LOUISE. Prevailing color is a pure salmon (strawberry) pink, self on upper petals with lower petals tipped strawberry-pink, blending to pinard-yellow in the throat. The stem is strong and flexible. The beautiful triangular shaped florets open wide and measure 5½ inches or more across, there are 18 to 22 buds on each spike. Excellent propagator. Each, 50c; doz., $5.00.

MRS. DR. NORTON (Kunderd). Soft white, with tips of petals suffused LaFrance pink. Each, 10c; doz., 60c; 100, $4.00.

MRS. FRANK PENDLETON (Kunderd). Rose-pink, with the lower petals blotched carmine. The most popular of all gladiolus. Each, 10c; doz., 50c; 100, $3.00.

MRS. LEON DOUGLAS (Diener). Said to be the largest gladiolus now in existence. Color is begonia-rose, striped with flame and brilliant scarlet. Each, 10c; doz., 60c; 100, $4.00.

MRS. P. W. SISSON. Immense, ruffled soft pink. Each, 10c; doz., 60c; 100, $4.00.

PINK AND ROSE SHADES—Continued

NANCY HANKS (Salbach). Rich Apricot. Very good. Each, 10c; doz., 60c; 100, $4.00.

ODIN (Heemskerk). Deep salmon-pink with intense carmine blotch on lower petals. Earlier and larger than Halley. Each, 10c; doz., 60c; 100, $4.00.

PEACH ROSE (Kunderd). An extra choice variety of deep rose-pink. Each, 10c; doz., 60c; 100, $4.00.

PICARDY (Palmer). A most sensational flower of delicate apricot-pink. The individual florets are all extremely large, slightly ruffled and of heavy wax-like substance. Has created a sensation practically every time exhibited. Each, 35c; doz., $3.50; 100, $25.00.

PINK LILY (Kunderd). Delicate, ruffled pink. Each, 10c; doz., 75c; 100, $5.00.

***PINK MEDALLION (Vaughan).** Early pink Prim. A true pure pink, lower petals have a canary blotch with a feather of the same color as the flower. It is exceptionally early, forces well, and is a rapid propagator. Each, 10c; doz., 60c; 100, $4.00.

***PINKPRIM (Vaughan).** A large flowered primulinus of wonderful salmon-pink, blotched white on lower petals. Each, 10c; doz., 50c; 100, $3.00.

PRIDE OF WANAKAH (Christ). Lavender-rose, deeper in throat. Each, 10c; doz., $1.00; 100, $7.00.

RUFFLED GLORY (Kunderd). Salmon-pink with crimson stripes in the center of each lower petal. Each, 15c; doz., $1.50; 100, $10.00.

SALBACH'S PINK. Large, wide open geranium pink with soft carmine lip and throat. Long spike and several large blooms open at one time. Each, 15c; doz., $1.50; 100, $10.00.

THE ORCHID (Sprague). Long narrow lacinated petals of lavender, giving the appearance of an orchid. Each, 10c; doz., $1.00; 100, $7.00.

THOMAS T. KENT (Diener). Shell pink overlaid strawberry, and a crimson streak on each petal. The flower is very large. Each, 10c; doz., $1.00; 100, $7.00.

TRUDEL GROTZ (Pfitzer). Giant flowers of brilliant dark salmon-pink, shading lighter towards the throat, with a small, red blotch. Each, 20c; doz., $2.00; 100, $15.00.

TYCKO ZANG (Austin). Large salmon-pink. Each, 10c; doz., 60c; 100, $4.00.

W. H. PHIPPS (Diener). Enormous flowers of La France pink, overlaid with salmon-rose, lighter towards the center. Each, 10c; doz., 60c; 100, $4.00.

***WINDSOR (Vaughan).** Sister to Detroit. A giant flower of light pink with deeper pencilings of light crimson on inside and outside of upper petals. Each, 10c; doz., 60c; 100, $4.00.

PINK SHADES MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, $3.00.

Vaughan's Glorious Gladioli

SCHWABEN

LAVENDER SHADES

*ALMA (Vaughan). A very floriferous light-lavender variety. Each, 10c; doz., 50c; 100, $3.00.

BERTY SNOW (Mair). Large flowers of beautiful lavender. Excellent substance and placement. Eight open at once. Fine exhibition and cut flower. A prize winner. Each, 10c; doz., $1.00; 100, $7.00.

BYRON L. SMITH (Kunderd). Beautiful lavender-pink on white ground. Each, 10c; doz., 75c; 100, $5.00.

CAPTAIN BOYNTON (Boynton). Light lavender, blotched deeper in throat, one of the nicest lavenders in gladiolus. Each, 10c; doz., 60c; 100, $4.00.

DR. MOODY (Kenyon). Light lavender. Each, 10c; doz., $1.00; 100, $7.00.

HEAVENLY BLUE (Pfitzer). Lavender-blue. Each, 20c; doz., $2.00; 100, $15.00.

HERADA (Austin). Beautiful blooms of pure mauve. Each, 10c; doz., 60c; 100, $4.00.

LAVENDER AMERICA (Kunderd). Tall strong deep lavender. Each, 15c; doz., $1.50; 100, $10.00.

LOUISE. Pure lavender. Each, 10c; doz., 60c; 100, $4.00.

MINUET Large light lavender. We highly recommend it. Each, 10c; doz., 75c; 100, $5.00.

MRS. F. C. PETERS (Fisher). A large, late flowering, rose-lilac, with a crimson blotch bordered white on lower petals. Each, 10c; doz., 60c; 100, $4.00.

LAVENDER SHADES MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, $4.00.

BLUE AND PURPLE SHADES

AIDA. Very deep blue with small reddish lilac blotch Large flowers, several open, strong stem and extremely early. Wonderful propagator. Each, 10c; doz., $1.00; 100, $7.00.

ANNA EBERIUS (Diener). Dark, velvety maroon-purple. Each, 10c, doz., 60c; 100, $4.00.

*ANNIE MAY (Vaughan). A beautiful lilac shade with pure white throat, enormous tall spike sometimes growing 5 feet tall. Each, 30c; doz., $3.00; 100, $20.00.

AVE MARIA. Extremely good blue-purple. Strong grower, flowers well arranged. Each, 15c; doz., $1.50; 100, $10.00.

BARON JOS. HULOT (Lemoine). Rich, dark purple. Each, 10c; doz., $1.00; 100, $7.00.

*BLOOMINGTON BEAUTY (Vaughan). Good spike, 5 open flowers, 10 buds, flowers well placed. Color amaranth with crimson blotch on lower petals. Stamens light amaranth. Each, 15c; doz., $1.50; 100, $10.00.

CHAS. DICKENS (Pfitzer). Purple-violet. Each, 10c; doz., $1.00; 100, $7.00.

BLUE AND PURPLE SHADES—Continued

DR. NELSON SHOOK (Kunderd). Deep tyrian rose. Each, 10c; doz., $1.00; 100, $7.00.

FLORENCE (Vilmorin). Very large flowers of bright lilac, with a large white blotch on two lower petals. Each, 10c; doz., $1.00; 100, $7.00.

*KALAMAZOO (Vaughan). Large, compact flowers of beautiful violet-purple, with a creamy white throat. Each, 15c; doz., $1.50; 100, $10.00.

MAGENTA (Syn.) Tyrian Beauty (Kunderd). A beautiful large flower of American Beauty rose color. Each, 10c; doz., 75c; 100, $5.00.

MRS. VON KONYNENBURG (Pfitzer). Probably the only variety which we can, in the true color sense of the word, call blue. This variety resembles the old variety Badenia in color, but it is a much more robust grower, is taller and stronger. Each, 10c; doz., $1.00; 100, $7.00.

PURPLE GLORY (Kunderd). Beautifully ruffled flowers of deep, velvety maroon-black, with almost black blotches. Each, 10c; doz., 75c; 100, $5.00.

*SOVEREIGN (Vaughan). The best purple variety. The flowers are the same color as those of Baron J. Hulot, but very much larger. The flowers are full and of rounding form, well placed on a tall, strong spike. Each, 15c; doz., $1.50; 100, $10.00.

SPHINX (Krelage). Lilac-red blotched, purple-red. Each, 10c; doz., 90c; 100, $6.00.

*VERDUN (Vaughan). Pansy-purple, lightening toward the center. The flowers are large and well placed on a strong, straight stem. Each, 15c; doz., $1.50; 100, $10.00.

VEILCHENBLAU (Pfitzer). The color is a beautiful violet-blue, lightening toward the center. The entire flower appears, at the first glance, to be made of blue velvet the sheen is so beautiful. Each, 15c; doz., $1.50; 100, $10.00.

BLUE AND PURPLE SHADES MIXED

Made up by ourselves from varieties listed and others. Doz., 75c; 100, $5.00.

YELLOW

BELINDE (Pfitzer). A new creamy yellow variety with wide open flowers. Each, 10c; doz., $1.00; 100, $7.00.

GOLDEN DREAM (Groff). Clear deep yellow. Each, 10c; doz., 60c; 100, $4.00.

GOLDEN MEASURE (Kelway). Large, well expanded flowers of golden yellow. It is a very robust and tall grower, a quality unusual in the yellow and blue varieties. Each, 10c; doz., 60c; 100, $4.00.

*IMPROVED SCHWABEN (Vaughan). A Schwaben seedling retaining the luxuriant growth of its parent, but of a deeper yellow color, with very little throat markings. Each, 10c; doz., 60c; 100, $4.00.

*IONIA (Vaughan). A tall grower, carrying a long spike of well placed, apricot colored flowers. Each, 10c; doz., 75c; 100, $5.00.

*OWOSSO (Vaughan). Straw-yellow, deeper on lower petals. Each, 10c; doz., 75c; 100, $5.00.

SCHWABEN (Pfitzer). Clear canary-yellow, of very robust growth. Each, 10c; doz., 50c; 100, $3.00.

SOUVENIR. Prim. Clear, bright daffodil-yellow of uniform color without markings of any kind. One of the first gladiolus to bloom. Each, 10c; doz., 50c; 100, $3.00.

*SUNBEAM (Vaughan). Very early primulinus of deep yellow with faint strips of red deep in throat. Each, 10c; doz., 50c; 100, $3.00.

*YELLOWSTONE (Vaughan). Early, tall, clear yellow primulinus similar to Souvenir, but deeper yellow and better grower. A perfect self-color, beautifully formed. Each, 50c; doz., $5.00; 100, $35.00.

YELLOW SHADES MIXED

Made up by ourselves from varieties listed and others. Doz., 50c; 100, $3.00.

ORANGE SHADES

ALICE TIPLADY (Kunderd). A large flowered primulinus of beautiful orange-saffron. Each, 10c; doz., 50c; 100, $3.00.

LA POLOMA (Dusinberre). A large pure orange primulinus of the grandiflora type. Each, 25c; doz., $2.50; 100, $18.00.

ORANGE GLORY (Kunderd). Ruffled orange suffused with scarlet. Each, 10c; doz., $1.00; 100, $7.00.

ORANGE QUEEN (Pfitzer). A large flowered primulinus of wonderful glowing orange, with red stripes on lower petals. Each, 10c; doz., 60c; 100, $4.00.

ORANGE SHADES MIXED

Made up by ourselves from varieties listed and others. Doz., $1.00; 100, $7.00.

SMOKY

*COPPERSHEEN (Vaughan). A very attractive primulinus novelty. It contains a blending of colors difficult to describe, but which gives the flower a bronzy orange effect. The florets are round, well hooded, and spaced separately on the spike, characteristic of the prim type. Each, 25c; doz., $2.50; 100, $18.00.

DESDEMONE (Vilmorin). Ashy rose, striped lilac, with a large, dark red blotch edged ivory white. Each, 15c; doz., $1.50; 100, $10.00.

EMILE AUBRUN (Lemoine). Coppery bronze with cherry blotch. Each, 15c; doz., $1.50, 100, $10.00.

*HURON (Vaughan). Light ashes of rose shade on upper petals, lower petals plum, shading to center with blotches of cream. Each, 15c; doz., $1.50; 100, $10.00.

MARMORA (Errey). Lavender-grey, dark blotch. Each, 15c; doz., $1.50; 100. $10.00.

*MRS. L. S. HUBBARD (Vaughan). A nearly plum-colored primulinus. Each, 10c; doz., 60c; 100, $4.00.

MOTHER MACHREE (Stevens). Soft smoky lavender. Large flower and plant with large number out, excellent arrangement, remarkable substance, beautiful coloring of lavender and orange, subdued with neutral gray. Each, 20c; doz., $2.00; 100, $15.00.

ROSE ASH (Diener). Blooms of the color of ashes of roses are compactly arranged on a very thick, strong stem. Each, 10c; doz., 75c; 100, $5.00.

ROSS VALLEY (Diener). Salmon-pink overlaid with mauve, giving ashes of roses effect. Each, 10c; doz., 75c; 100, $5.00.

*SANDUSKY (Vaughan). Prim. The color of this beautiful seedling is a blend of red, blue and terra cotta, producing a color generally known as bordeaux. Upper petals are lighter than the lower ones. Throat is cream blotched wine-red, with three fiery scarlet markings on the lower petals. Each, 15c; doz., $1.50; 100, $10.00.

SMOKY SHADES MIXED

Made up by ourselves from varieties listed and others. Doz., $1.00; 100, $7.00.

WHITE

ALBANIA (Kemp.) Pure large white. Each, 10c; doz., 60c; 100, $4.00.

HOLLYHOCK. White with crimson blotches. Each, 20c; doz., $2.00; 100, $15.00.

LENE GRAETZ (Graetz). A white gladiolus of first rank, with tall, slim, wiry stalk. The large, well expanded flowers are well arranged. Each, 10c; doz., 60c; 100, $4.00.

MAMMOTH WHITE. One of the largest white varieties in existence. Flowers are pure, glistening white. A perfect exhibition flower. Each, 20c; doz., $2.00; 100, $15.00.

PEACE (Groff). Pure white with tyrian rose blotch on lower petals. Each, 10c; doz., 50c; 100, $3.00.

PUREST OF ALL (Pfitzer). A splendid, pure white variety of large size. Tall spike with four or five broad flowers open at once. Each, 15c; doz., $1.50; 100, $10.00.

*SEAFOAM (Vaughan). White Primulinus. Good spike flowers well open, medium size, stamens white color, pure white with greenish reflex, 4 flowers open, 7 to 9 buds. A wonderful producer. Each, 15c; doz., $1.50; 100, $10.00.

*TRUCE (Vaughan). This beautiful white is a sport of the dark colored variety "Cracker Jack." Each, 10c; doz., 60c; 100, $4.00.

*VAUGHAN'S WHITE (Vaughan). Many large, well-expanded flowers of satiny white are open at one time. It is larger flowered and more vigorous in growth than Europa, and as prolific as America. Without doubt it is the best white yet introduced. Each, 15c; doz., $1.50; 100, $10.00.

*VIRGINAL (Vaughan). Pure, satiny white flowers with faint lavender markings in throat and on the lower petals. Each, 15c; doz., $1.50; 100, $10.00.

*WHITEHALL (Vaughan). There is an increasing demand for good primulinus varieties on account of their graceful habit and adaptability for house and basket arrangement. An exceptional pure white with no markings. Extra long spike. Each, 25c; doz., $2.50; 100, $18.00.

WHITE PENDLETON (Vaughan). This is a white sport of the well-known variety Mrs. Frank Pendleton. It is pure white, with a dark blotch in the throat. Each, 10c; doz., 90c; 100, $6.00.

WHITE SHADES MIXED

Made up by ourselves from varieties listed and others. Doz., 60c; 100, $4.00.

***This mark indicates the variety was first introduced by Vaughan's Seed Store, Chicago and New York. Ask for Complete List.**

The price for single bulbs and by the doz. as above, include free parcel post delivery through 5th zone. For prepayment to further zones, add 5c. doz.

Miscellaneous Spring Bulbs

Bulbs Shipped Separately from Seed

Due to weather conditions during January, February and early March we prefer to send out Bulbs after March 20th except to customers in the South or California, to whom we ship at once packed against freezing. Customers should open the package upon arrival and if Bulbs can not be planted at once they should be placed in a dry and frostproof cellar until ready to plant.

AMARYLLIS

CALLA LILY

BEGONIAS

ACIDANTHERA (Bicolor)

A valuable bulbous plant for greenhouse or open ground. Each flower-stalk produces from four to eight widely expanded fragrant flowers, of creamy white color with broad violet-maroon blotches. The flowers are very lasting and, being borne on long stems, are excellent for bouquets and table decorations. The bulbs should be treated like gladiolus.

Medium Size Bulbs, each, **20c**; doz., **$1.75**; 100, **$12.00.**

Large Size Bulbs, each, **25c**; doz., **$2.50**; 100, **$18.00.**

AMARYLLIS, (Giant-Flowered)

Vaughan's New Hybrids—(See illustration.) This selection of giant bloomers in wonderfully varied and brilliant colorings has been made from thousands of seedlings produced from hand hybridized flowers by an expert grower. This giant flowered strain is a mixture with the colors ranging from the darkest red shades through the medium striped and light shades.

Price, each, **55c**; doz., **$5.50, prepaid**; per 100, **$40.00, not prepaid.**

Equestre—Orange-scarlet.

Price, each, **25c**; doz., **$2.50**; 25 for **$4.50, prepaid.**

ANEMONE (Windflower)

Soak bulbs in water 24 hours before planting. The variety offered below are charming hardy flowers. They are suitable for pot or border culture and, when planted in masses, are most effective. They succeed best in a light, rich well-drained loam. Plant as soon as the ground can be worked in the spring.

Special Mixed, doz., **50c**; 100, **$3.50**; 1,000, **$30.00, prepaid.**

St. Brigid—A grand strain of Poppy Anemones whose flowers range in color from the deepest crimson to the purest white, embracing such delicate shades as cobalt, scarlet, rose, salmon-pink, and heliotrope. Most are semi-double. Doz., **75c**; 100, **$5.00**; 1,000, **$45.00, prepaid.**

APIOS Tuberosa

Splendid hardy climber. Will grow to a height of 8 to 10 feet, vine and foliage resembling a Wistaria; deep purple color, fragrant.

Price, each, **15c**; doz., **$1.50**; 25 for **$2.50, prepaid.**

BEGONIAS

Tuberous Rooted—Unexcelled for summer bedding, such as lawn beds and borders. Make fine pot-plants. When fully exposed to the sun the beds must be kept moist. **All prepaid.**

Single or Double Sorts—White, red, orange, salmon, rose.

Bulbs, 1½-2 in., each, **25c**; doz., **$2.50**; 100, **$18.00, prepaid.**

Bulbs, 2-inch, each, **35c**; doz., **$3.50**; 100, **$25.00, prepaid.**

Frilled Single or Double Mixed Bulbs, 1½-2 inch, each, **25c**; doz., **$2.50**; 100, **$18.00, prepaid.**

Lloydii. Used for hanging baskets. Each, **30c**; 4 for **$1.00**; doz., **$3.00**; 25 for **$5.00.** Double blooming, many fine pink shades. **Prepaid.**

Narcissus-Flowered in Mixture, a remarkable race of tuberous-rooted Begonias, the inner petals being joined into a large semi-double or single corona with petals elegantly crimped at margin. Each, **30c**; doz., **$3.00**; 25 for **$5.00.**

GOLDEN YELLOW CALLA LILY

Calla Elliottiana (Yellow Calla Lily) Though known during war period, bulbs have been so scarce and dear, the plant has not become generally known. We are now having many grown for us and can supply at very reasonable prices.

Mammoth Size, each, **35c**; doz., **$3.50**; 100, **$25.00**; **Jumbo Size**, each, **50c**; doz., **$5.00**; 100, **$35.00, prepaid.**

CALADIUM ESCULENTUM

Elephant's Ear—One of the most effective foliage plants for beds and borders. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants.

First Size—5 to 7-inch circumference. Mailing weight, 4 lbs. per doz.

Price, 3 for **25c, prepaid**; doz., **90c**; 25 for **$1.50, not prepaid.**

Select Size—7 to 9-inch circumference. Mailing weight, 6 lbs. per doz.

Price, 3 for **35c, prepaid**; doz., **$1.35**; 25 for **$2.25, not prepaid.**

Extra Large—9 to 11-inch circumference. Mailing weight, 10 lbs. per doz.

Price, 3 for **75c, prepaid**; doz., **$2.50**; 25 for **$4.50, not prepaid.**

Mammoth Size—12-inch and up circumference. Mailing weight, 17 lbs. per doz.

Price, each, **50c**; 3 for **$1.25, prepaid**; doz., **$4.25**; 25 for **$7.00, not prepaid.**

Chlidanthus Fragrans (The Gold Flower)—Produces clusters of from two to four golden yellow, trumpet-shaped flowers that are delicately fragrant. Handle in the same manner as gladiolus. Also a nice plant for pots.

Price, each, **15c**; doz., **$1.50**; 100, **$10.00, prepaid.**

CINNAMON VINE

(Dioscorea Batatas)

Well-known hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will run 25 to 40 feet in a season.

Price, Medium Size Roots, each, **10c**; doz., **$1.00**; 100, **$6.00, prepaid.**

Large Roots, each, **15c**; 3 for **40c** doz., **$1.50**; 25 for **$2.50, prepaid.**

GLOXINIAS

These showy plants are easily grown in pots for summer or winter blooming. They make a glorious display and bloom for a long time. Plant the bulbs in small individual pots. The soil best suited should contain plenty of leaf-mold, some sand and well-rotted manure. Place the pots in a warm window and keep moderately moist, but do not water to excess. When the roots become crowded in the first pot, the plants should be transplanted into larger ones. Protect against direct strong sunlight. Just before the plants come into bloom an application of very weak liquid manure is of great benefit.

Price, each 35c; 3 for $1.00; doz., **$3.50, prepaid.**

HYACINTHUS Candicans

(Galtonias)

Summer Hyacinth—Perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, 4 feet high.

Price, First Size, each, **15c**; doz., **$1.50, prepaid**; **Mammoth Size**, each, **20c**; doz., **$2.00, prepaid.**

ISMENE Calathina

(Hymenocallis)

Flowers are pure white, borne three or four on a stem, and are very fragrant. Not hardy. **Price**, each, **20c**; doz., **$2.00, prepaid.**

LILY OF THE VALLEY

Large Clumps—For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors; they give a quicker and better effect at less cost.

Each, **65c**; dozen, **$6.00; prepaid.**

GLOXINIAS

HYACINTHUS CANDICANS

ISMENE CALATHINA

Miscellaneous Spring Bulbs—Continued

RANUNCULUS

RANUNCULUS (Buttercup)

Beautiful double flowers, resembling rambler roses. Grow from a foot to two feet tall. Our special mixture contains all shades of red, pink, orange, yellow, and a few white. Bulbs are curious, claw-shaped, which should be soaked overnight, then dried (not in sun) for half a day before planting, claws downward. This plant is a half-hardy perennial which will live through the winter if given a good covering of leaves or straw.

Special Mixed—Doz., **50c**; 100, **$3.50**; 1,000, **$30.00, prepaid.**

MADEIRA VINE

(Boussingaultia Baselloides.)

One of the best and most popular climbers for foliage effect. Increases very rapidly, large roots.

Price, each, 10c; 3 for 25c; doz., 90c; 25 for $1.75, prepaid.

Alta Vista, Ia., Sept., 2nd, 1933
Vaughan's Seed Store,
Gentlemen:

Last spring I ordered your "Rainbow Collection of Gladioli," and at our annual flower show held recently, I received the first and second prize in the Gladioli Class and on my "Dr. Bennett," I won the Grand prize, "Sweepstake over all entries," and in awarding same the Judges stated they were the most perfect blossoms they had ever seen. I certainly am more than pleased with the whole collection and how these bulbs can be sold at the price you do, is more than I can understand. Yours very truly,

Mrs. Joe Menges.

MONTBRETIAS

MONTBRETIAS

Mixed Montbretias are easily grown and their graceful flower-stems add much to any garden. They are also highly valued for cut-flowers and can be grown in flower-pots in the house. Montbretia bulbs are quite hardy and should be planted early in the spring, choosing a warm, sunny location. A sandy loam with good drainage, to which has been added some well-rotted stable manure, will give the finest flowers. When the plants come into flower, plenty of water should be given to help the free development of the flower-spikes. Our mixture contains many bright shades of yellow, salmon, orange, and scarlet.

Earlham Large Flowered Hybrids

These are the magnificent New Montbretias which have attracted so much attention the last two years at the Royal Horticultural Society's Shows in late Summer and gained the Gold Medal. They are a completely new race of flowers the result of hybridization successfully carried out by the late Mr. Sydney Morris of Earlham Hall, Norwich. They represent an enormous advance over the ordinary Montbretias in commerce, being generally much taller and more robust in growth, and having flowers of great size and beauty, some measuring 3 to 4 or more inches in diameter.

His Majesty, a glorious variety, flowers measuring 4 inches or more across, very broad-petalled, deep velvety scarlet shading down to gold, reverse of petals dark crimson shading down to gold. The largest-flowered of all Montbretias.

Each, **30c**; doz., **$2.75**; 100, **$20.00.**

James Coey—Flowers very large and open, of perfect form, rich deep vermilion-scarlet with golden-orange lustre, center yellow with crimson blotches.

Each, **20c**; doz., **$2.00**; 100, **$15.00.**

Lemon Queen—Creamy yellow, pale center and deep orange buds, a very attractive flower and of great decorative value.

Each, **15c**; doz., **$1.50**; 100, **$10.00.**

Marjorie—Large open flowers, orange-yellow, with crimson center, a beautiful flower, perfectly flat when fully open.

Each, **15c**; doz., **$1.50**; 100, **$10.00.**

Pocahontas—Rich coppery scarlet, with golden lustre. Center orange with small blood-crimson blotches.

Each, **20c**; doz., **$2.00**; 100, **$15.00.**

Una—Flowers rich apricot with carmine blotch; a well-shaped flower of good substance.

Each, **20c**; doz., **$2.00**; 100, **$15.00.**

Special Mixed. Price, each 10c; 3 for 25c; doz. $1.00; 100 $7.00, prepaid.

OXALIS

Summer-Flowering—Useful little plants, very effective in masses or beds and particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and continuous bloom. The colors are **white, red, pink.**

Price, either color, doz., **25c**; 25 for **40c**; 100 for **$1.50, prepaid.**

SPREKELIA Formosissima

(Jacobean Lily)

Closely allied to the Amaryllis, bearing showy brilliant crimson flowers. Dormant bulbs planted in the border early in May will flower within 3 or 4 weeks after planting, or they may be flowered as pot plants in the house during the early spring months.

Each, **35c**; doz., **$3.50.**

TUBEROSES Double

(Polianthes Tuberosa.)

Easily recognized by its exquisite fragrance and beautiful flower-spikes, which are borne on long stems, making it an admirable cut-flower. If started in warm place in pots, and end of May moved to open ground, can be flowered much earlier.

Excelsior Dwarf Pearl Double

Mammoth Bulbs—Each, **15c**; doz., **$1.50**; 25 for **$2.50, prepaid.**

First Size—Each, **10c**; doz., **$1.00**; 25 for **$1.50, prepaid.**

Second Size—**Price**, doz., **50c**; 25 for **$1.00, prepaid.**

Single Varieties

Armstrong's Ever-Blooming—This variety blooms year after year and has a fragrance similar to the "Jasmine."

Price, each, **10c**; doz., **$1.00**; 25 for **$1.50, prepaid.**

Silver-Leaved—An early single flower, with striped leaves.

Price, each, **10c**; doz., **$1.00**; 25 for **$1.50, prepaid.**

Albino—Branching single variety, early and very free-flowering.

Price, each, **10c**; doz., **$1.00**; 25 for **$1.50, prepaid.**

Mexican Tuberose—They have tall, stiff stems, flowers pure white, single true tuberose fragrance.

Price, doz., **50c**; 25 for **$1.00, prepaid.**

TIGRIDIA

(Shell-flower of Mexico)

Few flowers are more gorgeously colored or so beautiful. Plant in sunny positions in a flower border in well-drained soil. Put a little sand under the bulb. Can also be used in beds. Blooms from middle of July to September. Height, 3 ft.

Mixed. Price, each **15c**; doz., **$1.50**; 100, **$10.00, prepaid.**

TIGRIDIA

SPREKELIA

TUBEROSES

ZEPHYRANTHUS

Fairy Lily, Zephyr Lily

One of the prettiest and most easily grown bulbs. Plant in open ground like gladiolus bulbs.

Candida—Pure white and the most profuse bloomer of all.

Price, doz., **50c**; 25 for **75c**; 100, **$2.75**, **prepaid.**

Rosea—Beautiful clear rose; flower large and very handsome.

Price, each, **15c**; doz., **$1.50**; 100, **$10.00, prepaid.**

ZEPHYRANTHUS

Umbellatum. Each, 20c.

Auratum. Each, 25c.

Japonicum. Each, 30c.

Longiflorum. Each, 35c.

Lilies for Spring Planting

HARDY lily bulbs, carried over the winter in cold storage, may be planted in the spring, and will blossom in midsummer, when the garden needs their glory.

See that the bulbs have a well-drained place, preferably in partial shade. Such places can usually be found around the shrub borders, and in the hardy plant border. Many varieties are termed "stem-rooters"—that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely. Spade over the ground thoroughly to a depth of 18 inches before planting lilies and enrich it with plant food. Plant the bulbs 6 to 8 inches deep, depending on their size and the soil, deeper in light soil. Put some sand under and around the bulbs.

The lilies listed on this page are fresh bulbs of 1933 crop carried over the winter in cold storage. Beware of bulbs sometimes offered for sale which have been forced during the winter by florists, as they will not bloom again this year.

AURATUM PLATYPHYLLUM (Improved Auratum)—Superior to Auratum in larger flowers, profuse blooming, and glossy foliage. First Size (8-9 inches), each **30c**; doz., **$3.00**; 100, **$24.00**; prepaid. Mammoth Size (9-11 inches), each, **45c**; doz., **$4.50**; 100, **$35.00**; prepaid. Jumbo Size (11-13 inches), each, **55c**; doz., **$5.50**; 100, **$45.00**; prepaid.

AURATUM—The Gold-Banded Lily of Japan, grows four to seven feet tall, blooming in July and August. First Size (8-9 in.), ea., **25c**; doz., **$2.50**; 100, **$20.00**; prpd. Mammoth Size (9-11 in.), ea., **35c**; doz., **$3.50**; 100, **$27.00**; prepaid. Jumbo Size (11-13 in.), ea., **45c**; doz., **$4.50**; 100, **$35.00**; prpd.

BATEMANNIAE—Gorgeous deep apricot colored lily resembling Umbellatum (picture above) in shape, July flowering. 3 feet. Each, **30c**; doz., **$3.00**; 100, **$20.00**; prepaid.

BULBIFERUM—Cup-shaped Flowers of Orange-scarlet, slightly lighter in the center of each petal, while the entire flower is covered with small black dots. Each **30c**; doz., **$3.00**; 100, **$20.00**; prepaid.

CANADENSE—Mixed, red, and yellow, grows two to five feet, often many as forty flowers. Each, **20c**; doz., **$2.00**; 100, **$15.00**; prepaid.

LILIUM ELEGANS MIXED (Lilium Thunbergianum)—A very beautiful group of showy Japanese Lilies flowering in June and July and growing 1½ to 2 feet high. The cup-shaped flowers range through the reds and yellows. This is a lily of easy culture, highly recommended for naturalizing, and excellent for rock-gardens. Each, **20c**; doz., **$2.00**; 100, **$15.00**; prepaid.

LILIUM HANSONI—The flowers are a deep orange-yellow shade, spotted brown. It grows three to four feet high, blooming during the latter part of June. Although perfectly hardy, the bulbs, which should be planted six to eight inches deep, require a covering of straw or boughs of trees to keep them from starting into growth too early. Plant in semi-shade. Each, **40c**; doz., **$4.00**; 100, **$30.00**; prepaid.

LILIUM HENRYI—A very beautiful lily from central China growing all the way from four feet to eight feet, and often carrying as many as twenty bright orange-yellow, slightly spotted, reddish brown flowers in August. It is one of the very best lilies for general culture; hardy, robust, long-lived, growing in almost any soil and situation, although it requires good drainage. 8 to 9 inch, each, **25c**; doz., **$2.50**; 100, **$18.00**; prepaid. 9 to 11 inch, each, **35c**; doz., **$3.50**; 100, **$27.00**; prepaid.

LILIUM JAPONICUM (Formerly Lilium Krameri)—The flowers, a lovely shade of pale pink, are tubular, being held in horizontal position. They first form a wide cup, and then the petals, with their frilly margins, spread out and curl around. Flowers in June. This lily is not an easy garden subject, and is best grown in pots and after all danger of frost is over can be set out in the garden. Plant five inches deep, in a light, peaty soil which must be well drained. Each, **30c**; doz., **$3.00**; 100, **$24.00**; prepaid.

LILIUM LONGIFLORUM (Outdoor Easter Lily)—Large, tubular flowers of pure white, giving forth a pleasing fragrance. This lily is the same as the Easter lily in appearance, but is a better garden subject, as it can withstand a lower temperature. Each, **30c**; doz., **$3.00**; 100, **$24.00**; prepaid.

LILIUM PARDALINUM (Leopard or Panther Lily)—A late June flowering lily of rich scarlet and yellow, spotted rich brown from the Sierra Nevada Mountains of California. One to thirty flowers on a 3-6 foot stem. Each, **30c**; doz., **$3.00**; 100, **$22.00**; prepaid.

LILIUM REGALE—The large, trumpet-shaped flowers are snowy white, with a pure yellow center, while the exterior of the petals is slightly tinged pink. It is a strong grower, attaining the height of three or four feet. The flower, besides being eminently beautiful, possesses a delightful fragrance. The bulb, which should be given good, sharp drainage (as should all lilies), is perfectly hardy, usually presenting a dried, shriveled appearance. Small Size (4-6 in. in circumference) each, **15c**; doz., **$1.50**; 100, **$10.00**; prepaid. First Size (6-7 in. in circumference) each, **20c**; doz., **$2.00**; 100, **$15.00**; prepaid. Select Size (7-8 in. in circumference) each, **25c**; doz., **$2.50**; 100, **$18.00**; prepaid. Mammoth Size (8-9 in. in circumference) each, **30c**; doz., **$3.00**; 100, **$24.00**; prepaid. Jumbo Size (9-10 in. in circumference) each, **45c**; doz., **$4.50**; 100, **$35.00**; prepaid.

LILIUM SPECIOSUM RUBRUM (Magnificum) (The Lance-Leaved Lily)—The typical form is white, flushed pink, and heavily spotted with carmine. The stem is about four feet high and has fresh, green, lance-shaped leaves, and the frilly flowers face downward and carelessly roll back their petals, while the stamens and pistil curl way out. A very beautiful lily, perfectly hardy, very seldom diseased, and a late August and early September bloomer. Plant the bulbs eight to ten inches deep. First Size (8-9), each, **25c**; doz., **$2.50**; 100, **$20.00**; prepaid. Mammoth Size (9-11), each, **30c**; doz., **$3.00**; 100, **$24.00**; prepaid. Jumbo Size (11-13), each, **40c**; doz., **$4.00**; 100, **$30.00**; prepaid.

LILIUM SUPERBUM (American Turk's Cap, Swamp Lily)—The most magnificent and showy of the native North American species, well worthy of extensive culture. This splendid lily produces from one to forty flowers of brilliant orange-scarlet, shaded yellow and spotted purplish brown at the base, with red anthers, in late July and August. Height 3-8 feet. Each, **20c**; doz., **$2.00**; 100, **$15.00**; prepaid.

LILIUM SPECIOSUM ALBUM—A pure white form of Lilium Rubrum. First Size (8-9), each **30c**; doz., **$3.00**; 100, **$24.00**; prepaid.

LILIUM TENUIFOLIUM—The lovely Coral Lily of Siberia. A great beauty. The brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early. Each, **20c**; doz., **$2.00**; 100, **$15.00**; prepaid.

Elegans. Each, 20c.

LILY OF THE VALLEY (Large Clumps)—For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors; they give a quicker and better effect at less cost. Each, **65c**; doz., **$6.00**; postpaid.

LILIUM—TIGRINUM SPLENDENS—(Tiger Lily)—Because it is so widely cultivated in this country this lily has come to be looked upon as native, but it originally came from China and Japan. The flowers are orange, spotted purple, opening in August and September on 2-4 foot stems. Each, **15c**; doz., **$1.60**; 100, **$12.00**; prepaid.

LILIUM—TIGRINUM FLORE PLENO—(Double Tiger Lily)—Probably the only desirable double flowered lily in cultivation. Colors and habit same as that of Tigrinum Splendens. Each, **15c**; doz., **$1.60**; 100, **$12.00**; prepaid.

LILIUM UMBELLATUM (Subspecies of Davuricum)—This group of lilies is of hybrid origin, resulting in crosses of the frail Lilium Davuricum (an Asiatic lily), with the European species, Croceum, and Bulbiferum. They are early flowering, blooming during the first part of June. Usually attaining the height of two to three feet, they carry four to six flowers of cup-shape. **Grandiflorum**—Orange red, very large flowers, freely produced. Each of above, **30c**; doz., **$3.00**; 100, **$24.00**; prepaid.

Canadense. Each, 20c.

Vaughan's Lawn Seed CONTAINING NO TIMOTHY

VAUGHAN'S FAIRWAY FORMULA

For Fairways we recommend a simple, but very well-proportioned blend of Kentucky Blue Grass and Red Top, which gives excellent results and if properly cared for improves with age. Does not contain white clover.

Price, lb., 40c; 2 lbs., 80c; 3 lbs., $1.15; 5 lbs., $1.90; 10 lbs., $3.70; 15 lbs., $5.50; 20 lbs., $7.20; 25 lbs., $8.75; 50 lbs., $16.25; 100 lbs., $30.00. Sow 100 to 150 lbs. to the acre. Special prices quoted on large quantities.

VAUGHAN'S TENNIS COURT FORMULA

Excellent for Tennis Courts, Cricket Grounds and Bowling Greens, made up of deep-rooting, hard-wearing grasses.

Price, lb., 50c; 2 lbs., $1.00; 3 lbs., $1.45; 5 lbs., $2.40; 10 lbs., $4.70; 15 lbs., $7.00; 20 lbs., $9.20; 25 lbs., $11.25; 50 lbs., $21.25; 100 lbs., $40.00.

VAUGHAN'S TERRACE FORMULA

A blend of grasses that root quickly and form a good turf under conditions as met with on terraces.

Lb., 50c; 2 lbs., $1.00; 3 lbs., $1.45; 5 lbs., $2.40; 10 lbs., $4.70; 15 lbs., $7.00; 20 lbs., $9.20; 25 lbs., $11.25; 50 lbs., $21.25; 100 lbs., $40.00.

RED TOP GRASS (Agrostis alba)

Extra Fancy recleaned solid seed (32 lbs. per bu.). Price, 1 lb., 25c; 2 lbs., 50c; 3 lbs., 70c; 5 lbs., $1.10; 10 lbs., $2.10; 15 lbs., $3.00; 20 lbs., $3.70; 25 lbs., $4.35; 50 lbs., $8.00; 100 lbs., $14.00, prepaid to 300 miles

FANCY KENTUCKY BLUE GRASS (Poa pratensis)

EXTRA FANCY SUN CURED SEED—Specially recleaned; 25 lbs. per bushel. Price, ½ lb., 25c; 1 lb., 40c; 2 lbs., 80c; 3 lbs., $1.15; 5 lbs., $1.90; 10 lbs., $3.55; 15 lbs., $4.00; 20 lbs., $6.25; 25 lbs., $7.50; 50 lbs., $13.50; 100 lbs., $25.00; prepaid to 300 miles.

Fancy Seed, actual weight, 21 lbs. per bu. (Standard grade of recleaned blue grass.) Price, ½ lb., 20c; 1 lb., 35c; 2 lbs., 70c; 3 lbs., $1.00; 5 lbs., $1.65; 10 lbs., $3.10; 15 lbs., $4.25; 20 lbs., $5.35; 25 lbs., $6.25; 50 lbs., $11.00; 100 lbs., $20.00, prepaid to 300 miles.

WHITE CLOVER

Extra fancy seed. Price, ¼ lb., 20c; ½ lb., 35c; 1 lb., 60c; 2 lbs., $1.20; 3 lbs., $1.75; 5 lbs., $2.85; 10 lbs., $5.50; 15 lbs., $7.95; 20 lbs., $10.25; 25 lbs., 12.50; 50 lbs., $22.50; 100 lbs., $40.00; prepaid to 300 miles.

SEED OF THE BENT GRASSES

For lawns the Bent grass seed is preferred to the creeping Bent stolons because these types of Bent do not grow so rapidly and do not require so much top dressing. Seed at the rate of 3 to 4 lbs. per 1000 sq. ft.

ASTORIA BENT GRASS. This grass has creeping roots and makes a splendid lawn and golf grass. Price, ¼ lb., 35c; ½ lb., 60c; 1 lb., $1.10; 2 lbs., $2.20; 3 lbs., $3.25; 5 lbs., $5.35; 10 lbs., $10.50; 15 lbs., $15.50; 20 lbs., $20.50; 25 lbs., $25.00. Seed at rate of 3 lbs. per 1000 sq. ft.

EUROPEAN MIXED BENT (so-called "Creeping Bent") is a natural mixture of Bents including true Creeping Bent, Velvet Bent, and a large percentage of Colonial Bent. Seed at the rate of 3 to 4 lbs. per 1,000 sq. ft. Price, ¼ lb., 35c; ½ lb., 65c; 1 lb., $1.15; 2 lbs., $2.30; 3 lbs., $3.40; 5 lbs., $5.60; 10 lbs., $11.00; 15 lbs., $16.30; 20 lbs., $21.40; 25 lbs., $26.25.

COLONIAL BENT GRASS makes a fine close turf of excellent color. Ask for prices.

COCOOS BENT GRASS. We carry the genuine Cocoos Bent seed. This is a true unmixed creeping Bent grass seed. One top dressing a year will keep it in good condition.

Price, ¼ lb., 40c; ½ lb., 75c; 1 lb., $1.40; 2 lbs., $2.80; 3 lbs., $4.15; 5 lbs., $6.85; 10 lbs., $13.50; 15 lbs., $20.00; 20 lbs., $26.40; 25 lbs., $32.50.

CREEPING BENT STOLONS

They produce a fine lawn in one season, but must have extra care, several top dressings a year and frequent mowing. For $17.50 we will send you enough runners and roots of the grass to plant 1,000 square feet. 500 sq. ft. for $10.00; 250 sq. ft. for $5.50. Express charges from growing station are extra. If larger quantities are desired ask for a special quotation. We furnish complete directions. A leaflet about Creeping Bent Stolons will be sent upon request. May and June are best for Spring planting of stolons. They can be planted earlier if weather permits. Fall planting from the latter part of August to the latter part of September.

For Standard Grass Seed Mixtures, see page 9.

Vaughan's Fancy Grass Seeds

Poa Species

OF THE BLUE GRASS FAMILY

ROUGH STALKED MEADOW GRASS (POA TRIVIALIS)—An ideal shade grass in the Northern half of the United States if it can have enough moisture. This grass is a perennial closely related to Kentucky Blue Grass, but somewhat finer and softer. It has a splendid apple-green color and is a creeper. Sow in Fall or Spring at rate of 1 lb. to every 300 sq. ft. 1 lb., 45c (by mail, 50c); 2 lbs., 90c; 3 lbs., $1.30; 5 lbs., $2.10; 10 lbs., $4.00; 15 lbs., $5.65; 20 lbs., $7.00; 25 lbs., $8.50; 50 lbs., $16.25; 100 lbs., $30.00.

WOOD MEADOW GRASS (POA NEMORALIS)—Used as a shade grass in the Northern half of the United States. It is a very good shade grass that grows well in rather dry soils and should not be used in moist places. A perennial closely related to Kentucky Blue Grass. Sow in Fall or Spring 1 lb. to every 300 sq. ft. 1 lb., 65c (by mail, 70c); 2 lbs. $1.30; 3 lbs., $1.90; 5 lbs., $3.10; 10 lbs., $6.00; 15 lbs., $8.75; 20 lbs., $11.25; 25 lbs., $13.75; 50 lbs., $26.00; 100 lbs., $50.00.

POA ANNUA. An annual blue grass that reseeds itself. This grass does not grow very tall. ½ lb., 40c; 1 lb., 75c (by mail, 80c); 2 lbs., $1.50; 3 lbs., $2.15; 5 lbs., $3.40; 10 lbs., $6.50; 15 lbs., $9.45; 20 lbs., $12.00; 25 lbs., $14.35; 50 lbs., $26.50; 100 lbs., $50.00.

CANADA BLUE GRASS (POA COMPRESSA)—A hardy grass with creeping root stocks. Adapted to all soils and very valuable on poor soils and clay soils. Recommended for Eastern States for dairy use. Sow 40 to 60 lbs. per acre for pasture; 135 to 145 lbs. per acre for lawns, in Fall or Spring. 1 lb., 40c (by mail, 45c); 2 lbs., 80c; 3 lbs., $1.15; 5 lbs., $1.85; 10 lbs., $3.50; 15 lbs., $5.10; 20 lbs., $6.50; 25 lbs., $7.50; 50 lbs., $13.25; 100 lbs., $23.00.

SPECIAL LIST OF FIELD SEEDS

We carry a complete list of clover and other farm and field seeds of the highest quality. A laboratory report of purity and germination sent with every lot. A special price list will be sent upon application, or we will quote specially upon your exact needs. Address.

FIELD SEED DEPARTMENT

VAUGHAN'S SEED STORE

601 W. Jackson, Blvd., CHICAGO, ILL.

Fescues

CHEWING'S FESCUE (New Zealand-Grown)—There is very little difference between this and the European-grown Red Fescue. Chewing's is in even greater demand for Putting Greens than the Red Fescue. Best seeded alone when used for greens. It is a perennial and makes a fine turf. Does well in sandy soils, and in the shade. Sow either Spring or Fall, preferably the last week in August or the first week in September, at the rate of 5 lbs. to 1,000 sq. ft. 1 lb., 45c; (by mail, 50c), 2 lbs., 90c; 3 lbs., $1.30; 5 lbs., $2.10; 10 lbs., $4.00; 15 lbs., $5.65; 20 lbs., $7.00; 25 lbs., $8.15; 50 lbs., $15.00; 100 lbs., $28.00.

RED OR CREEPING FESCUE (FESTUCA RUBRA)—True red fescue, grown in Germany, 1 lb., 65c (by mail, 70c); 2 lbs., $1.30; 3 lbs., $1.90; 5 lbs., $3.10; 10 lbs., $6.00; 15 lbs., $8.70; 20 lbs., $11.25; 25 lbs., $13.50; 50 lbs., $25.50; 100 lbs., $48.00.

SLENDER FESCUE OR FINE-LEAVED SHEEP'S FESCUE (FESTUCA TENUIFOLIA)—Of value as a lawn and pasture grass where it does well on dry and inferior soils as well as in shady places. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 55c (by mail, 60c); 2 lbs., $1.10; 3 lbs., $1.55; 5 lbs., $2.45; 10 lbs., $4.70; 15 lbs., $6.80; 20 lbs., $8.75; 25 lbs., $10.75; 50 lbs., $20.50; 100 lbs., $43.00.

SHEEP'S FESCUE (FESTUCA OVINA)—A good grass for upland pastures and for sandy and poor soils. It is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage make it a desirable grass for many purposes. Much used for the "rough" on golf courses. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 40c (by mail, 45c); 2 lbs., 80c; 3 lbs., $1.15; 5 lbs., $1.85; 10 lbs., $3.50; 15 lbs., $5.10; 20 lbs., $6.50; 25 lbs., $7.50; 50 lbs., $13.25; 100 lbs., $23.00.

ENGLISH BLUE GRASS OR MEADOW FESCUE (FESTUCA ELATIOR PRATENSIS)—A native of Europe, it has become very thoroughly naturalized here. Should be sown with other grasses. Particularly a pasture or meadow grass. Ours is choice American-grown. Sow in Fall or Spring, 30 to 50 lbs. per acre. 1 lb., 25c (by mail, 30c); 2 lbs., 40c; 3 lbs., 55c; 5 lbs., 75c; 10 lbs. $1.40; 25 lbs., $3.00; 50 lbs., $5.50; 100 lbs., $10.00.

TIMOTHY (PHLEUM PRATENSE)—The most popular of all hay grasses. Growth is very rapid. Vaughan's Fancy seed (99.5% pure or better), 1 lb., 25c (by mail, 30c); 2 lbs., 50c; 3 lbs., 65c; 5 lbs., 90c; 10 lbs., $1.50; 25 lbs., $3.35; bu., $5.40; 50 lbs., $6.00; 100 lbs., $10.50. Grain bags 35c ea. extra.

Rye Grasses

ENGLISH OR PERENNIAL RYE GRASS (LOLIUM PERENNE)—Does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soils best suited to it; the seed is heavy and very quick to start. Also a good lawn grass where quick results are wanted. Sow in Spring or Fall, 30 to 40 lbs. per acre for pasture. Standard weight, 24 lbs. to the bushel—our seed extra heavy quality, 27-28 lbs. to the bushel. 1 lb., 30c (by mail, 35c); 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.10; 10 lbs., $2.00; 15 lbs., $2.85; 25 lbs., $4.50; 50 lbs., $8.35; 100 lbs., $16.00.

PACEY'S ENGLISH OR SHORT SEEDED RYE GRASS—A strain selected for its greater yield. The seed is smaller and runs more to the bushel than the standard variety. 1 lb., 35c (by mail, 40c); 2 lbs., 65c; 3 lbs., 85c; 5 lbs., $1.15; 10 lbs., $2.10; 25 lbs., $4.75; 50 lbs., $9.00; 100 lbs., $17.00.

ITALIAN RYE GRASS (LOLIUM ITALICUM)—Likes a rich, moist, loamy soil where it does remarkably well and produces good hay and pasturage. Desirable for this purpose in temporary pastures. It is almost an annual, generally lasting a second year, however. Develops very rapidly. Valuable in lawn grass mixtures demanding immediate effect. Used in the South for winter lawn grass. Sow in October in the South, Spring or Fall in the North, 30 to 40 lbs. per acre for pasture; 4 to 7 lbs. per 1,000 sq. ft. on lawns. 1 lb., 30c. (by mail, 35c); 2 lbs., 60c; 3 lbs., 75c; 5 lbs., $1.10; 10 lbs., $2.00; 15 lbs., $2.85; 25 lbs., $4.50; 50 lbs., $8.35; 100 lbs., $16.00.

DOMESTIC RYE GRASS—A natural mixture of the English and Italian Rye Grass, grown in this country. 1 lb., 25c (by mail, 30c); 2 lbs., 50c; 3 lbs., 65c; 5 lbs., 90c; 10 lbs., $1.50; 15 lbs., $2.20; 20 lbs., $2.80; 25 lbs., $3.35; 50 lbs., $6.00; 100 lbs., $11.00.

BERMUDA GRASS (CYNODON DACTYLON)—The grass for Southern lawns and pastures; hard to kill; resists drought. Should be planted for permanency only in the South; winter kills in the North. Sow in Spring, 100 lbs. per acre for lawns (30 lbs. to bushel). 1 lb., 40c (by mail, 45c); 2 lbs., 80c; 3 lbs., $1.15; 5 lbs., $1.85; 10 lbs., $3.50; 15 lbs., $5.10; 20 lbs., $6.50; 25 lbs., $7.50; 50 lbs., $13.25; 100 lbs., $23.00.

Items on this page are shipped at buyer's expense. Add postage, or ask us to express, charges collect.

ORCHARD GRASS (DACTYLIS GLOMERATA)—A very hardy grass, invaluable for pasture mixtures. Ready to cut for hay before Timothy. Not adapted to wet soils. It should not be used in lawn mixtures as it is too coarse and tufted. Sow in the Spring, 25 to 30 lbs. per acre. 1 lb., 30c (by mail, 35c); 2 lbs., 55c; 3 lbs., 75c; 5 lbs., $1.10; 10 lbs., $1.95; 25 lbs., $4.60; 50 lbs., $8.35; 100 lbs., $15.50.

AWNLESS BROME GRASS (BROMUS INERMIS)—Very strong, quick growth making two crops of very abundant pasture. It prevents washing on the banks of streams. Sow in the Spring, 2 bushels per acre. (14 lbs. to bushel) 1 lb., 35c (by mail, 40c); 2 lbs., 70c; 3 lbs., $1.00; 5 lbs., $1.60; 10 lbs., $3.00; 15 lbs., $4.20; 20 lbs., $5.20; 25 lbs., $6.00; 50 lbs., $11.00; 100 lbs., $20.00.

CRESTED DOGSTAIL (CYNOSURUS CRISTATUS)—Fine leaved perennial, best in rich, moist soils. (21 lbs. to bushel.) 1 lb., 40c (by mail, 45c); 2 lbs., 80c; 3 lbs., $1.15; 5 lbs., $1.85; 10 lbs., $3.50; 15 lbs., $5.10; 20 lbs., $6.60; 25 lbs., $8.00; 50 lbs., $14.00; 100 lbs., $25.00.

GOLF

We have a golf department prepared to give expert service. Let us quote on your requirements.

Let us help you solve your lawn and golf grass problems. Advice gladly given.

Fertilizers are Needed to Make Lawns Grow

Fine lawn grasses require rich soil in which to do their best. When properly fed they will grow so luxuriantly as to crowd out weeds. Grass which is constantly cut makes a heavy drain on the food content of soil, and unless this is annually renewed, a lawn will deteriorate. On page 104 are listed fertilizers of all types which are recommended for lawns. Our free booklet "Your Lawn" gives definite instructions on the use of fertilizers.

Nu Green

A grass disinfectant for brown patch prevention and control. 3 oz. tin, 50c; lb., $2.00; 5 lbs., $9.00; 25 lb. pail, $33.75; 100 lb. drum, $130.00.

Write us for booklet.

For Standard Grass Seed Mixtures, see page 9.

Vaughan's Hardy Climbing Vines

EVERBLOOMING HONEYSUCKLE
(Lonicera Heckrotti)

AKEBIA Quinata (Five-leaf Akebia)

A beautiful hardy Japanese vine, with unique foliage and chocolate-purple flowers of delightful fragrance in large clusters. The foliage is never attacked by insects, and is distinctly ornamental. Prefers a sunny situation. 2 yr., 50c; per 10, $4.00.

BITTERSWEET (Celastrus Scandens)

A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. 2 yr., 50c; per 10, $4.00.

BOSTON IVY or JAPANESE CREEPER (Ampelopsis Tricuspidata or Veitchei)

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. 2 yr., 50c; per 10, $4.00; 3 yr., 60c; per 10, $5.00.

CREEPER (Ampelopsis)

Engelman's Creeper (Ampelopsis Engelmani). One of the hardiest, best and quickest growing climbers for the North and Northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. Leaves color beautifully in the fall. 2 yr., 35c; per 10, $2.50; 3 yr., 45c; per 10, $4.00.

Porcelain Creeper (Ampelopsis Heterophylla). A handsome and refined climbing plant for use where a quick-growing, densely covered vine is desired. It is attractive all summer because of its ornamental heart-shaped leaves, prettily incised, but is charming in autumn when its crop of berries turn a bright turquoise blue. 2 yr., 40c; per 10, $3.50; 4 yr., 75c; per 10, $6.00.

Virginia Creeper or Woodbine (Ampelopsis Quinquefolia). Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls, fences, etc. 2 yr., 35c; per 10, $2.50; 3 yr., 45c; per 10, $4.00.

SWEET AUTUMN CLEMATIS (Clematis Paniculata)

The finest small-flowered Clematis extant. A wonderfully rapid grower, quickly covering trellises, arbors etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September when few other vines are in bloom. Easiest to grow and most popular of all the small-flowered vines. 2 yr., 50c; per 10, $4.00; 3 yr., 60c; per 10, $5.00.

VARIOUS SPECIES OF CLEMATIS

Curly Clematis (Clematis Crispa). Fine deep blue, with white border and deliciously fragrant. 2 yr., 50c; per 10, $4.00.

Pink Anemone Clematis (Clematis Montana Rubens). The rosy-pink, Anemone-like flowers of this species are very attractive and are produced in greatest profusion over a long period. Vigorous growing. An excellent early spring flowering climber. Each, 75c; per 10, $6.50.

Scarlet Clematis (Clematis Coccinea). Bell-shaped flowers, bright coral-red: blooms from June until frost. Each, 50c; per 10, $4.00.

LARGE-FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. They should be pruned early in spring and require rich, deep soil, perfect drainage, abundance of water and should be planted with the crowns three inches beneath the surface of the soil.

Henryi. Strong grower, flowers always eight-petaled, 4 to 6 inches in diameter and pure white. Very hardy. 2 yr., 75c; per 10, $6.50.

Jackmani. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season. 2 yr., 75c; per 10, $6.50.

Mad. Edward Andre. Flowers large, of a very beautiful bright velvety red, very free-flowering and continuous bloomer. 2 yr., 75c; per 10, $6.50.

Ville de Paris (New). A large, many petaled variety of a very beautiful shade of bright blue. One of the leading best sellers in Europe. 2 yr., $1.50.

Gold Medal Collection. One 2-yr. old roots, each, Jackmani, Henryi and Mad. Edward Andre, $2.00.

DUTCHMAN'S PIPE

A vigorous and rapid-growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Its large, rich glossy, dark green heart-shaped leaves give a tropical foliage effect and produce a splendid shade. It is very hardy and adaptable to practically every situation, thriving in any soil, in sun or shade. 2 yr., 75c; per 10, $6.50.

HONEYSUCKLE (Lonicera)

We cannot speak too highly of this class for covering arbors, fences, pergolas, verandas, etc. They are the best vines for ground planting under trees, and if used on terraces or embankments will prevent washing. All are perfectly hardy and improve in beauty each year.

Everblooming Honeysuckle (Lonicera Heckrotti). Remarkable for large size and distinct appearance of its flowers, crimson-carmine without and golden apricot inside. They are very beautiful and fragrant and are in bloom from the middle of June until the coming of frost. 2 yr., 60c; per 10, $5.00; 3 yr., 75c; per 10, $6.50.

Trumpet Honeysuckle (Lonicera Sempervirens). Fuchsia-like scarlet flowers, very free and beautiful. 2 yr., 40c; per 10, $3.50; 3 yr., 50c; per 10, $4.00.

Yellownet Japanese Honeysuckle (Lonicera Aurea-Reticulata). A handsome variety with foliage netted and spotted bright yellow; flowers creamy white. 2 yr., 50c; per 10, $4.00; 3 yr., 60c; per 10, $5.00.

HALL'S JAPANESE HONEYSUCKLE

This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous, almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. The best bloomer of all. 2 yr., 40c; per 10, $3.50; 3 yr., 50c; per 10, $4.00.

HARDY ENGLISH IVY (Hedera Helix Gracilis)

This variety has dark green foliage and is identical in habit with the well-known English Ivy, except that it is hardy and has smaller leaves. Succeeds well in shady places. Each, 60c; per 10, $5.00.

KUDZU or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture soft and woolly. Fine for porches, arbors, old trees, etc. Strong roots, 40c; per 10, $3.00.

SILVER LACE VINE. (Polygonum Auberti)

MATRIMONY-VINE (Lycium Chinese)

Well-known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold soil in place. 2 yr., 40c; per 10, $3.50.

SILKVINE (Periploca Graeca)

A hardy vine with brownish-purple flowers; clothed in numerous short hairs resembling silk. The leaves are long, pointed, willow-like and their glossy nature makes them more attractive than the flowers. 2 yr., 50c; per 10, $4.00.

SILVER LACE VINE (Polygonum Auberti)

This plant is of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers that turn rose-colored as they begin to fade, and the combination of white and rose makes an exceedingly pretty picture. This vine does well in the East, in the Middle West and the West. 2 yr., 60c; per 10, $5.00.

TRUMPET CREEPER (Bignonia Radicans)

A robust, tall climber with great leather trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. A very rapid and hardy grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2 yr., 40c; per 10, $3.00.

WISTERIA

American Purple Wisteria (Wisteria Magnifica). A strong, rapid-growing vine with light-green compound foliage of an evergreen nature and purple-lilac, pea-shaped flowers, borne in very dense, long pendulous racemes in advance of the opening of the foliage. 2 yr. extra strong, 50c; per 10, $4.00; 3 yr., 65c; per 10, $5.00; 4 yr., 90c; per 10, $7.50.

Chinese Wisteria (Wisteria Sinensis). A very strong growing vine that climbs high and twines tightly. Blooms very profusely early in summer; flowers sky-blue, in long pendulous clusters. The plants we have are grafts propagated from blooming wood. 2 yr., 75c; per 10, $6.50.

Pink Japanese Wisteria (Wisteria Multijuga Rosea). The queen of the Wisterias. Vigorous growing, with extremely long, full clusters of beautiful pink flowers. 2 yr., grafted, $1.50; per 10 $12.50.

White Chinese Wisteria (Wisteria Sinensis Alba) Same as the Chinese Wisteria except that the flowers are pure white. 2 yr., grafted, 75c; per 10. $6.00.

Trees and Shrubs of Unusual Beauty

DWARF BURNING BUSH

All Prices are F. O. B. Our Nurseries. Western Springs, Ill.

The figures in italics following each variety indicate in feet the average height of the plant at maturity. B & B indicates Balled and Burlapped.

AZALEA

Chinese Azalea (A. Mollis). *3 to 4 ft.* One of the most glorious of the Azaleas, with flowers of marvelous shades of yellow, orange, lemon, salmon and terra cotta. It is of dwarf, compact growth with attractive foliage and is unexcelled for planting in front of Evergreens. We can supply mixed colors only. 15 to 18 in., B. & B., each, **$2.00**; per 10, **$17.50**; 18 to 24 in., B. & B., each, **$2.50**; per 10, **$22.50.**

Torch Azalea (A. Kaempferi). *5 ft.* A very handsome tall-growing variety that is one of the most popular sorts. It is of vigorous, bushy growth, and produces an abundance of beautiful fiery red orange flowers. 15 to 18 in., B. & B., each, **$3.00.**

BARBERRY (Berberis)

Red-leaved Japanese Barberry (Berberis Thunbergi Atro-purpurea). *4 ft.* Similar in all respects to the green-leaved Japanese Barberry, but the foliage is a rich, bronzy red, similar to the red-leaved Japanese Maples. It should be planted in full sun to develop its coloring. 15 to 18 in., each, **40c**; per 10, **$3.50**; per 100, **$30.00**; 18 to 24 in., each, **50c**; per 10, **$4.00**; 100, **$35.00**; 2 to 2½ ft., each **60c**; per 10, **$5.00.**

BEAUTY BUSH (Kolkwitzia Amabilis)

Its trumpet-shaped pink flowers are freely produced. Grows from *6 to 8 ft.* tall and fully that wide. Absolutely hardy and makes a wonderful showing in June. One of E. H. Wilson's and the Arnold Arboretum's choicest new introductions from China. 18 to 24 in., each, **50c**; per 10, **$4.00**; 2 to 3 ft., each, **60c**; per 10, **$5.00**; 3 to 4 ft., each, **75c**; per 10, **$6.00**; 4 to 5 ft., each **$1.00**; per 10, **$9.00**; 4 to 5 ft., specimens, B. & B., each, **$2.50.**

BEECH (Fagus)

River's Purple Beech (Fagus Sylvatica Riversi). *50 to 70 ft.* Slow growing, but forms a large compact, low branched, specimen tree with smooth light gray bark. Foliage dark reddish purple in spring, turning to dark purplish green in summer. 2 to 3 ft., B. & B., each, **$5.00.**

BURNING BUSH (Euonymus)

Winged Burning Bush (Euonymus Alatus). *6 to 8 ft.* Bark cork-like and curiously winged; leaves small; fruit red; in autumn foliage bright red. One of our best shrubs for specimen plantings and for growing in shady locations. 2 to 3 ft., each, **60c**; per 10, **$5.00**; 3 to 4 ft., **80c**; per 10, **$7.50.**

Dwarf Burning Bush (Euonymus Alatus Compacta). A compact form that is especially attractive in the fall when the foliage turns crimson, and the whole bush resembles a ball of fire. Fine for formal effects as it may be kept trimmed to the size and height desired. The picture shows the natural habit of the shrub without pruning. 12 to 18 in., **75c**; per 10, **$6.50**; 18 to 24 in., **90c**; per 10, **$7.50.**

European Burning Bush or Spindletree (Euonymus Europaeus). *12 to 14 ft.* A tall, erect shrub, very handsome and conspicuous in autumn and winter when it is loaded with rose-colored capsules, from which orange-colored berries hang on slender threads. Rarely seen in gardens but one of our finest berried shrubs. 3 to 4 ft., each, **40c**; per 10, **$3.00**; 4 to 5 ft., each, **50c**; per 10, **$4.00**; 5 to 6 ft., each, **60c**; per 10, **$5.00.**

BUTTERFLYBUSH (Buddleia)

Ile de France (New). *3 to 4 ft.* A new French variety much superior to the old popular sorts, not only in its brilliant coloring, longer, more graceful spikes of bloom, but also in its more uniform habit of growth. Forms a symmetrical bushy shrub, bearing during July and continuing until frost, long tapering spikes of fragrant flowers of a brilliant rosy violet-purple color. 2 yr., each **90c**; per 10, **$7.50.**

New Hardy Butterflybush (Buddleia Alternifolia). *4 to 6 ft.* A splendid new Butterflybush that does not freeze to the ground in winter. Its flowers are lavender-purple with a reddish crimson eye and are borne many together in compact rounded clusters from the axils of the leaves in early summer. Forms a beautiful fine-leaved compact shrub with branches of a semi-weeping habit. 2 yr., each, **60c**; per 10, **$5.00.**

CHERRY, JAPANESE FLOWERING

Amanogawa (Milky Way). Unusual because of its upright growth which is similar to that of the Lombardy Poplar. This makes it valuable for formal plantings and for use in small gardens. Flowers semi-double, pale pink in color and fragrant. 4 to 5 ft., each, **$2.25.**

Fujizan (Mt. Fuji). *20 ft.* A beautiful variety that produces an abundance of large double or semi-double, snow-white, fragrant flowers, about 1½ inches wide. Late flowering. 4 to 5 ft., each, **$2.25.**

Kwanzan (Sekizan). *20 to 25 ft.* Often called the handsomest of all the double-flowering cherries. It forms an upright spreading tree with gray bark and deep green leaves. Its flowers are very full and double, often two inches wide, and are a deep pink or old rose. 4 to 5 ft., each, **$2.25**; 5 to 6 ft., specimens, each, **$6.50**; 6 to 7 ft., specimens, each, **$10.00.**

Sieboldi (Naden). *20 ft.* A very popular late-flowering variety. The flowers, a deep blush-pink in color, are very large and produced in great abundance. A vigorous grower adapted for street or lane plantings. 4 to 5 ft., each, **$2.25**; 5 to 6 ft., specimens, **$6.50.**

Special Offer: one each Fujizan, Kwanzan and Sieboldi, 4 to 5 ft., for **$6.00.**

CHERRY, JAPANESE WEEPING

Double Flowering (New). A distinct and beautiful form of the Weeping Cherry. Its double pink flowers are large and similar in size and color to those of the variety Kwanzan. 5 to 6 ft. stem, 2-yr. head, **$3.50.**

Single Flowering. A beautiful and graceful tree with slender branches covered with masses of light pink flowers in early spring. 5 to 6 ft. stem, 6 to 7 ft. stem, 3-yr. head, **$3.50**; specimens, each, **$5.00.**

CRAB, FLOWERING (Malus)

Bechtel's Double-Flowering Crab (Malus Ioensis Bechteli). *10 to 15 ft.* Trees of medium size are covered in early spring with large, beautiful, double, fragrant flowers resembling small roses of a delicate pink. 3 to 4 ft., **$1.00**; per 10, **$9.00**; 4 to 5 ft., **$1.25**; per 10, **$10.00**; 5 to 6 ft., **$2.50**; per 10, **$22.50**; 6 ft., specimens, **$5.00** to **$8.00.**

Carmine Crab (Malus Atrosanguinea). *10 to 15 ft.* Similar to the Japanese Flowering Crab, but with deep carmine flowers which do not fade. 3 to 4 ft.; 4 to 5 ft.; 5 to 6 ft.; 6 to 8 ft.

Redvein Crab (Malus Niedzwetzkyana). *10 to 15 ft.* A showy tree with remarkable single red flowers followed by red fruits about one inch in diameter in October. Bark and wood are tinged with red. 3 to 4 ft.; 4 to 5 ft.; 5 to 6 ft.; 6 to 8 ft.

Japanese Flowering Crab (Malus Floribunda). *10 to 15 ft.* Best when grown naturally, when it is a broad, tall, round-topped bush, rather than a tree, with wide-spreading branches. The flowers as they open are red, changing to rose and white. The small, yellowish fruit often remains on the trees all winter and is greatly relished by the birds. 3 to 4 ft.; 4 to 5 ft.; 5 to 6 ft.; 6 to 8 ft., specimens.

Price of above, except where noted, 3 to 4 ft., each, 90c; per 10, **$7.50**; 4 to 5 ft., each, **$1.00**; per 10 **$9.00**; 5 to 6 ft., each, **$1.50**; per 10, **$12.50**; 6 to 8 ft., each, **$1.75**; 6 to 8 ft. specimens, each, **$5.00.** Sizes which we have to offer, noted after each variety.

Special Offer: One each Bechtel's Double-Flowering Crab, Japanese Flowering Crab, Redvein Crab, 4 to 5 ft. (value $3.25) for **$2.85**; 5 to 6 ft. (value $5.50) for **$4.85.**

We have a large collection of Flowering Crabs. Write for special price list.

COTONEASTER

Rock Cotoneaster (Horizontalis). *1 to 1½ ft.* "Most popular of the red-fruited varieties," says E. H. Wilson of the Arnold Arboretum. A dwarf shrub with densely spreading horizontal branches almost prostrate. Much appreciated in rockeries and the front of borders. 12 to 15 in., B. & B., each, **75c.**

Spreading Cotoneaster (Divaricata). *5 to 6 ft.* Especially prized for its dark scarlet fruits which last until late in the autumn. It forms a wide-branched, densely twiggy bush from 5 to 6 ft. tall and much more in diameter. The leaves turn a brilliant crimson before they fall. An excellent hedge plant. 2 to 3 ft., each, **50c**; per 10, **$4.00**; per 100, **$25.00**; 2 to 3 ft., B. & B., each, **75c**; per 10, **$6.50**; 3 to 4 ft., each, **60c**; per 10, **$5.00**; per 100, **$35.00**; 3 to 4 ft., B. & B., each, **$1.00**; per 10, **$7.50.**

DAPHNE

February Daphne (Daphne Mezereum). *3 to 4 ft.* A very rare, hardy shrub with erect branches that are thickly studded with deep red flowers in early spring, long before its leaves appear; delightful, intense Oriental fragrance. Will succeed in partial shade. 12 to 15 in., B. & B., **$1.25**; 15 to 18 in., B. & B., **$1.50.**

Rose Daphne (Daphne Cneorum). *1 ft.* A gem for the rock garden or for edging borders. A dwarf evergreen shrub of trailing habit with leaves of dark glossy green, glaucus beneath. Small, tubular, rose-pink flowers of spicy fragrance are borne in clusters in May and again in late September. Does best in sun in a well-drained, poor gravely soil. In cold climates the plants should be protected during winter. 8 to 10 in., B. & B., each, **90c**; per 10, **$7.50**; 10 to 12 in., B. & B., each, **$1.25**; per 10, **$10.00.**

DOGWOOD (Cornus)

Kousa Dogwood (Cornus Kousa). *10 to 15 ft.* A very compact bushy tree with leaves that are rather ruffled along the margins and that turn brilliantly in Autumn. It is similar to the White Flowering Dogwood so abundant in the East, but flowers three weeks later and is never injured by our severe winters. The flowers bear four large creamy white bracts in June and are followed by large pinkish fruits almost an inch across. 2 to 3 ft., each, **90c.**

Red Flowering Dogwood (Cornus Florida Rubra). *15 ft.* A small, upright growing tree that produces large, deep rose-colored flowers in early spring. Very showy. Foliage grayish green, turning to brilliant crimson in autumn. For best results, mulch after the ground is frozen in the fall and do not remove it until in late spring. 2 to 3 ft., B & B., each, **$2.00**; 3 to 4 ft., B. & B., each, **$3.00.**

JAPANESE FLOWERING CHERRY

We Carry a Complete Line of Shrubs, Trees, Evergreens, Fruits, Etc. Ask for Price List.

Trees and Shrubs of Unusual

LATE HONEYSUCKLE

ELM (Ulmus)
3 Quick Growing Varieties

American Elm, Moline Type (Ulmus Americana Molini). *80 to 100 ft.* Exceedingly large foliage. Of upright habit, taking up little room. Splendid tree for the street or for small yards.

American Elm, Vase Type (Ulmus Americana Urni). *80 to 100 ft.* A beautiful tree for landscape or boulevard planting where grace, dignity and uniformity are desired. A true vase-shaped tree.

Chinese or Siberian Elm (Ulmus Pumila). *75 ft.* On account of its rapid growth, resistance to disease, and ability to thrive in most any situation, this new variety is already one of the most popular shade and street trees in America. A tree of rare beauty with small, dark green foliage. Prices of the above 3 Elm Trees as follows:

Height	Caliper	Each	10 for
8 to 10 ft.	1¼ to 1½ inch	$2.00	$17.50
10 to 12 ft.	1½ to 1¾ inch	2.50	22.50
10 to 12 ft.	1¾ to 2 inch	3.50	32.50

FIRETHORN (Pyracantha)

Laland Firethorn (Pyracantha Coccinea Lalandi). *5 to 6 ft.* An almost evergreen shrub allied to both the Thorn and Cotoneasters. Dwarf with slender branches with numerous short thorns. Flowers white, in large clusters, followed in fall by brilliant orange-red berries. Prefers a sunny location in almost any soil. 18 to 24 in., B. & B., **$1.75**; per 10, **$15.00**; 2 to 2½ ft., B. & B., **$2.50**; per 10, **$22.50**; 3 ft., specimens, B. & B., **$4.00**.

HAWTHORN (Crataegus)

Paul's Double Scarlet Hawthorn (Crataegus Oxyacantha Splendens). *12 to 15 ft.* The most beautiful and showy of the double-flowering thorns, with lovely blossoms of bright scarlet color, large, full and very double. It forms a small tree or large shrub, and makes a fine specimen for the lawn. 3 to 4 ft., tree form, each, **$1.25**; per 10, **$10.00**; 4 to 5 ft., tree form, each, **$2.00**; per 10, **$17.50**; 5 to 6 ft., **$3.00**.

HEATHERMINT (Elsholtzia Stauntoni)

3 to 4 ft. An excellent autumn flowering shrub producing attractive spikes of reddish purple flowers, resembling heather, in September and October. The leaves of the plant when bruised, emit a mint fragrance. Plant in a sunny location. 18 to 24 in. **75c.**

HONEYSUCKLE (Lonicera)

Broad Blueleaf Honeysuckle (Lonicera Korolkowi Floribunda). *10 ft.* Twiggy growth, arching in habit and with a mass of gray-green foliage. The masses of delicate pink flowers are carried high on the plants producing a misty effect. Conspicuous dark red fruits. 2 to 3 ft., **50c**; per 10, **$4.00**; 3 to 4 ft., **60c**; per 10, **$5.00**; 4 to 5 ft., **75c.**

Late Honeysuckle (Lonicera Maacki Podocarpa). *12 to 15 ft.* Widespread branches abundantly clothed with dark green foliage. Its honey-scented flowers open white tinged with pink and fade to cream. Although it blooms in June, its brilliant scarlet fruit does not ripen until November. 2 to 3 ft., **50c**; per 10, **$4.00**; 3 to 4 ft., **60c**; per 10, **$5.00**; 4 to 5 ft., **75c.**

HYDRANGEA, Oak Leaved

Oak-leaved Hydrangea (Hydrangea Quercifolia). *3 to 5 ft.* The leaves are a dark green in summer, turning to richest red in autumn. They will stand some shade and smoky city conditions and are well adapted to foundation or low border plantings. Its flowers are pinkish white, borne in upright clusters in June. 18 to 24 in., **75c**; 2 to 3 ft., **$1.00**; 3 to 4 ft., B. & B., **$2.50.**

HYBRID LILACS (Syringa)
New and Rare Varieties

Berryer. Very early, long trusses of semi-double mauve flowers. Blooms a long time. 2 to 3 ft.; 3 to 4 ft.

Edouard Andre. Double; clear rose or nearly pink, one of the best of this color. 2 to 3 ft.; 3 to 4 ft., 4 to 5 ft.

Jean Mace. Double, broad, compact panicles of billowy blue flowers; an early and very floriferous variety. 2 to 3 ft.; 3 to 4 ft.; 4 to 5 ft.

Leon Gambetta. Double; enormous trusses; very large, lilac-rose flowers, very pretty; early. 2 to 3 ft., each, **$1.25**; 3 to 4 ft., each, **$1.50.**

Louvois. Very early, single; voluminous clusters of large flowers, deep violet-purple with bluish shades. 2 to 3 ft.; 3 to 4 ft.; 4 to 5 ft.; 4 to 5 ft. specimens.

Montaigne. Double. Pinkish mauve, very large clusters. Late. 2 to 3 ft.; 3 to 4 ft.; 4 to 5 ft.

Prices of above, except where noted, 2 to 3 ft., each, **$1.00**; per 10, **$9.00**; 3 to 4 ft., each, **$1.25**; per 10, **$10.00**; 4 to 5 ft., each, **$1.50**; per 10, **$12.50**; 4 to 5 ft., specimens, each, **$3.00.** Sizes which we have to offer noted after each variety.

LILAC Mad. Lemoine

Outstanding Lilac Novelties

Jan Van Tol. Single, pure white, very large trusses and extremely large individual flowers; it is a very good grower and flowers very freely. 2 to 3 ft., each, **$1.50.**

Katherine Havemeyer. Double, cobalt blue, flushed mauve; enormous flower of the most perfect shape with broad imbricated lobes. One of the handsomest lilacs. 2 to 3 ft., each, **$1.50.**

Mrs. Edward Harding. Double, bright carmine, big panicles of large, full flowers. This variety was awarded the special prize founded by Mrs. Edward Harding for the best double red lilac. 2 to 3 ft., each, **$1.50.**

President Poincare. Immense, double violet flowers in large compact trusses. One of the handsomest of all Lilacs. Very fragrant. 2 to 3 ft., each, **$1.50.**

SPECIAL OFFER. One each of the above four Lilacs for **$5.00.**

HYBRID LILACS (Syringa)

Chas. Joly, semi-double dark red; **Chas. X,** single reddish purple; **Ludwig Spaeth**; single dark reddish-purple; **Mad. Lemoine,** double white; **Marie Legraye,** single white, **Michael Buchner,** double lilac; **Pres. Grevy,** double blue. Price of above 2 to 3 ft., **50c**; 3 to 4 ft., **60c**; 4 to 5 ft., **90c.**

We have a large collection of Lilacs. Write for special price list.

LILY OF THE VALLEY SHRUB
Pieris Floribunda

3 to 5 ft. An unusually charming shrub because of its fine evergreen foliage and its flowers. Of low, very compact growth; small rich dark green foliage and upright panicles of waxy white flowers, which closely resemble the lily-of-the-valley blossoms, in May. Incomparable for evergreen plantings. They require an acid soil. 15 to 18 in., B. & B., **$3.00.**

MAGNOLIA

Saucer Magnolia (M. Soulangeana). *20 ft.* A vigorous grower and one of the hardiest of the genus. Flowers come before the long glossy leaves, and are 3 to 5 inches across, cup-shaped, delightfully fragrant, rosy pink when in bud, pure white when open. A full-sized tree is a gigantic bouquet of thousands of showy flowers, not surpassed by any other tree in effectiveness. 2 to 3 ft., B. & B., **$4.50**; 3 to 4 ft., B. & B., **$7.00**; 4 to 5 ft., B. & B., **$10.00**; 5 to 6 ft., B. & B., **$15.00** to **$20.00.**

Star Magnolia (M. Stellata). *12 ft.* The first Magnolia to blossom. No plant flowers more freely and in early spring its semi-double, snow-white flowers of starry form appear in countless numbers and attract attention on all sides. 18 to 24 in., B. & B., each, **$5.00**; 2 to 3 ft., B. & B., each, **$7.50.**

MOCK ORANGE (Philadelphus)

Dame Blanche (White Lady). *4 ft.* Small foliage and upright branches to about four feet. Semi-double fringed flowers, creamy white and very fragrant. 18 to 24 in., **50c**; per 10, **$4.00**; 2 to 3 ft., **60c**; per 10, **$5.00.**

Norma. *7 to 8 ft.* Usually large, glossy white, single flowers in good sized sprays. An upright grower with light green leaves. 2 to 3 ft., **50c**; per 10, **$4.00**; 3 to 4 ft., **60c**; per 10, **$5.00.**

Virginalis. *7 to 8 ft.* One of the most beautiful shrubs grown. In June the plants appear as a huge bouquet, being completely covered with very large, double crested flowers that are pure white, and sweet-scented. It has a long blooming season, the new wood producing large individual, single or semi-double flowers throughout the summer. 2 to 3 ft., **40c**; per 10, **$3.50**; 3 to 4 ft., **50c**; per 10, **$4.00**; 4 to 5 ft., bushy, **60**; per 10, **$5.00**; 4 to 5 ft., specimens, **$1.50.**

White is the latest vogue in flowers. The Mock Oranges make a beautiful display of white in the garden and are excellent for cutting. We have a large collection of them. Write for Special List.

MAPLE (Acer)

Red-Leaved Japanese Maple (A. Palmatum Atropurpureum). *6 to 8 ft.* Very striking as a specimen tree or small shrub on the lawn. The foliage is red in Spring, later changing to an attractive dark bronzy green. The plants we offer are of the true red variety. 18 to 24 in., B. & B., **$3.00**; 2 to 2½ ft., B. & B., **$4.00.**

Norway Maple (Acer Platanoides). *50 to 75 ft.* A large and handsome tree with spreading branches, and compact, round head. Broad, dark green foliage, fading with tones of yellow and gold in autumn.

Height	Caliper	Each	10 for
8 to 10 ft.	1¼ to 1½ inch	$3.00	$27.50
8 to 10 ft.	1½ to 1¾ inch	3.50	32.50
10 to 12 ft.	1¾ to 2 inch	4.50	42.50

Larger sizes, prices on application.

Schwedler Maple (Acer Platanoides Schwedleri). *40 to 60 ft.* Especially attractive in the spring, when their gleaming red and purple leaves contrast brightly with the delicate green of other trees. They change to dark green during the summer and fade with tones of yellow and brown in the fall.

Height	Caliper	Each	10 for
8 to 10 ft.	1¼ inch	$4.00	$37.50
8 to 10 ft.	1¼ to 1½ inch	5.00	47.50

FIRETHORN (Pyracantha)

We Carry a Complete Line of Shrubs, Trees, Evergreens, Fruits, Etc. Ask for Price List.

Beauty and Distinctive Charm

MOUNTAIN LAUREL (Kalmia Latifolia)

5 to 6 ft. Large showy clusters of cup-shaped pink or whitish-pink flowers in June. Glossy green, evergreen foliage that is beautiful the entire year. Should be planted in an acid soil in a shady situation sheltered from strong winds. 18 to 24 in., B. & B., **$2.75.**

GOLDEN ROSE OF CHINA

Golden Rose of China (Rosa Hugonis). *6 ft.* This is one of the earliest roses to bloom and it makes a very spectacular show when the long arching branches are thickly set with lovely single yellow flowers in May. It never winter-kills. 2 year, each, **50c**; 3-year, **75c**; 4-year, **$1.00.**

NEW HYBRID RUGOSA ROSES

Agnes. *5 to 6 ft.* The flowers are a rich amber yellow, double, sweetly scented and come early in June. It is a vigorous grower with grey-green, crinkled foliage. 2-year, **75c**; per 10, **$6.00.**

F. J. Grootendorst. *5 to 6 ft.* A cross between the Rugosa and the Crimson Baby Rambler. The plant is vigorous, will attain a height of six feet. The flowers are bright red, beautifully fringed, and produced in clusters. It blooms from early summer until frost. 2 year, **50c**; 3 year, **60c**; per 10, **$5.00.**

Rugosa Dr. Eckener. *5 to 6 ft.* Large, fragrant, cup-shaped flowers of luminous buff-pink with golden suffusion. Very hardy and blooms intermittently from July to September. 2 yr., **75c.**

Pink Grootendorst. *5 to 6 ft.* A variety similar in every way to the F. J. Grootendorst except that the flowers are a clear pink. 2-year, **50c**; 3-year, **60c.**

OREGON HOLLYGRAPE (Mahonia Aquifolia)

Oregon Hollygrape (Mahonia Aquifolia). *2 to 4 ft.* An almost evergreen shrub with dark lustrous green, spiny toothed leaves that look like holly. Flowers yellow, in dense clusters appearing in spring. Berries blue or nearly black. Splendid for planting in semi-shade. 12 to 15 in., B. & B., **60c**; 15 to 18 in., B. & B., **75c**; 18 to 24 in., B. & B., **$1.00**; 2 to 2½ ft., B. & B., **$1.50.**

PLUM (Prunus)

Double-Flowering Plum (Prunus Triloba). *7 to 8 ft.* Native of China. Flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold, 2 to 3 ft., **60c**; 3 to 4 ft., tree form, **75c**; 4 to 5 ft., **$1.00.**

Double-Flowering Purple-Leaved Plum (P. Blirieana). *8 to 10 ft.* A very handsome variety with long slender branches bearing purple-tinted foliage and semi-double apple-blossom-pink flowers. 3 to 4 ft., **$1.00.**

Purple-leaf Plum (P. Cerasifera Newport). *12 to 15 ft.* A small tree shrub, covered in early spring with single white flowers. The new leaves are a lustrous crimson changing to a dark purple, which is retained until they drop late in autumn. 3 to 4 ft., **60c**; 4 to 5 ft., **75c**; 5 to 6 ft., **$1.00.**

RUGOSA ROSE Dr. Eckener

SNOWBALL (Viburnum)

Viburnum Carlesi (Fragrant Snowball). *4 ft.* This dwarf, compact shrub, bearing large corymbs of delicate pale rose blossoms, tinted white, has a delicious, clove-scented fragrance and is considered by the Arnold Arboretum as Korea's great gift to our gardens. Hardy, but best planted in a somewhat sheltered position. 18 to 24 in., B. & B., **$1.50**; 24 to 30 in., B. & B., **$2.00**; 2½ to 3 ft., specimens, **$5.00.**

Viburnum Fragrans. *8 to 9 ft.* A very rare and interesting new shrub that blooms in April. At that time its leafless branches are clothed with profuse trusses of pearl-pink flowers that are deliciously fragrant. Will be much planted for its loveliness and fragrance. 2 to 3 ft., B. & B., each, **$3.00**; 3 to 4 ft., B. & B., each, **$5.00.**

VITEX MACROPHYLLA

3 to 4 ft. An attractive and unusual shrub with handsome dark green, fernlike foliage and attractive bright lavender blue flowers produced from July until frost. 2 to 3 ft., **75c**; per 10, **$6.50.**

VITEX Macrophylla

WITCH HAZEL (Hamamelis)

Winter-Blooming Witch-Hazel (Hamamelis Vernalis). *5 to 6 ft.* Blossoms as early as January and will continue to bloom for a long time, opening during the mild weather and closing when the temperature drops. The flowers come in profusion, have a spicy fragrance, and vary from bright yellow to shades of old gold, reddish brown and maroon. It gives the best results when planted in a sheltered place well open to the winter sun. 2 to 3 ft., **$1.00**; 3 to 4 ft., **$1.50**; 4 to 5 ft., **$2.00**; 5 to 6 ft., specimens, B. & B., **$3.00.**

WINTERCREEPER (Euonymus)

This group of trailing Euonymus are valued for their dense evergreen foliage and hardiness. They can be used for ground covers on terraces or under trees and are very effective when planted with Evergreens.

Bronze Wintercreeper (Euonymus Radicans Colorata). A fine new variety introduced by the Arnold Arboretum, with bright red foliage in winter. 3-year, **60c**; 3-yr., B. & B., **75c**; 4-yr., **75c**; 4-yr., B. & B., **$1.00.**

Bigleaf Wintercreeper (Euonymus Radicans Vegetus). This is our best hardy evergreen vine. It has round leaves and is sometimes called "Evergreen Bittersweet" on account of its gorgeous red berries, which are resplendent all winter against a rich deep evergreen foliage. 2-year, **50c**; 2-year, B. & B., **60c**; 3-year, **60c**; 3-year, B. & B., **75c.**

SMOKETREE (Rhus Cotinus)

Smoketree (Rhus Cotinus). 10-12 ft. A tall shrub bearing huge, plumy masses of misty smoke-colored flowers in July. They last for a month or more and are highly ornamental. 2 to 3 ft., **60c**; per 10, **$5.00.**

WISTERIA TREE FORM

Purple Chinese Wisteria, Tree Form or Standards. Bushy compact heads on single straight stems. Grafted from flowering wood, they have already bloomed in the nursery row. Flowers identical with the Chinese Wisteria described on our vine page. Very effective as specimen plants. 4 to 5 ft. stems, B. & B., **$3.00.**

RHODODENDRON

Hardy free-flowering broad-leaved evergreens that are attractive throughout the whole year. Easily grown if planted in partially shaded situations sheltered from strong winds. Full planting directions included in every shipment.

Carolina Rhododendron (R. Carolinianum.) *3 to 5 ft.* Unusually low and compact; leaves rather small and narrow, dark green above, rusty beneath. The flower clusters are two to four inches across and vary in color from light blush-pink to deep rose-pink. A profuse bloomer and a very fine variety. 18 to 24 in., B. & B., **$4.00.**

Catawba Rhododendron (R. Catawbiense). *4 to 6 ft.* A beautiful free flowering variety that forms a well-shaped, compact clump. Foliage very decorative, being rather round and deep shining green in color. Very showy, large trusses of rosy-purple flowers in May. 2 to 2½ ft., B. & B., **$4.00.**

Rosebay Rhododendron (R. Maximum). *10 to 15 ft.* Tall growing variety with large luxuriant, deep green leaves. The flowers vary in color from creamy-white to apple-blossom pink and are borne in large trusses in late June and early July. 2 to 2½ ft., B. & B., **$4.00.**

Hybrid Rhododendrons. These mixed seedlings, varying in color from white to deep crimson, are easily the finest of the broad-leaved evergreens, ideal for all landscape and garden purposes. Their bold evergreen foliage, crowned with clusters of handsome flowers in May and early June, make them a valuable addition to evergreen groups which are now becoming so popular for home plantings. Mixed colors only. 8 to 12 in. B. & B., **75c.**

Special Offer No. 101A. 2 Select Hybrid Seedlings, mixed brilliant colors, 8 to 12 in. B. & B., for **$1.25.**

Special Offer No. 101B. 4 Select Hybrid Seedlings, mixed brilliant colors, 8 to 12 in., B. & B., for **$2.45.**

Insecticides and Fungicides

Unmailable—Insecticides Containing Poison CANNOT be Sent by Mail—by Express Only

ACME ALL ROUND SPRAY. The latest improvement in the insecticide field, one product which will combat blight and fungus diseases,control sucking insects and destroy chewing insects in one application; safe to use on almost all fruits, vegetables, flowers and shrubs. Per ¼ lb., 35c; 1 lb., 85c.

ACME DAWG-GONE. Keep dogs away from Evergreen. Remove cap and hang tube of Dawg-Gone (opening down) in the lower branches of trees at the points of approach. The odor slowly emanating from the open tube will keep dogs at a distance from six months to a year winter or summer. Tubes, 35c each or 3 for $1.00.

ANSUL COLLOIDAL SULPHUR. A spray for many diseases, is readily soluble in water; remains in suspension almost indefinitely. Home garden tube, ½ lb., 90c; 3 lb. bottle, $2.00.

ANSUL FORMALDEHYDE DUST. Control "Damping off" of flower and vegetable seedlings. Price, 1 lb., 75c; 5 lbs., $2.00; 25 lbs., $5.50; 50 lbs., $9.00.

ANTROL ANT POWDER. Kills ants, roaches, silverfish and other pests. Packed in handy shaker twist-top can. Each, 25c.

ANTROL. Sets containing 4 jars and 4-oz. bottle of syrup, price, 75c; extra jars each, 10c. 4 oz. bottle syrup, 35c. Pint bottle of syrup, 85c; gal., $3.50.

ANTROL READY FILLED SETS. Consisting of four patented glass "feeders" filled with regular antrol syrup, price per set, 50c.

ANT EXTERMINATOR. Non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. (We do not send this outside of States of Illinois and New York.) Per box, 40c; smaller size, 25c; by mail, 5c extra.

APHIS SPRAY. Improved Nicotine Spray. Combining a soft fish oil soap with black leaf 40. Price per 3 oz. tube, 35c; 12 oz. tube, 95c.

APHINE. ½ pt., 40c; pt., 75c; 1 qt., $1.10; 1 gal., $3.00.

ARSENATE OF LEAD. (Dry.) For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. 1 lb., 35c; 4 lbs., 95c; case of 24 lbs., $4.50; 100 lbs., $14.00.

BLACK ARROW DUST. A non-poisonous pyrethrum dust, effective against many insects. Price, 1 lb., 50c; 5 lbs., $2.25; 10 lbs., $4.00; 100 lbs., $32.00.

BLACK LEAF 40, is a solution of Nicotine Sulphate. It is highly recommended by Experiment Stations throughout the United States as a spray for soft bodied sucking insects. For spraying only. Directions must be followed carefully: 1 oz. bottle, 35c; 5 oz. can, $1.00, makes 40 to 100 gallons; 1 lb. bottle, $2.10, makes 40 to 200 gallons; 2-lb. can, $3.10, makes 200 to 500 gallons; 5-lb. can, $5.85, makes 400 to 1000 gallons; 10-lb. can, $10.15, makes 840 to 2100 gallons.

BORDEAUX MIXTURE. (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 35c; 4 lbs., $1.10; case of 24 lbs., $5.00.

CARBON DISULPHIDE. For ants and cut worms. 1 lb., 50c; ¼ lb., 25c.

CALCIUM, ARSENATE. (Dry). Lb., 35c; 4 lbs., $1.10.

CYANOGAS A. DUST. Kills ants, moles, mice, rats, groundhogs and prairie dogs. 4 oz. tin, 30c; ½ lb., 45c; 1 lb., 75c; 5 lbs., $3.00; 25 lbs., $10.00; 100 lbs., $30.00.

CYANOGAS CALCIUM CYANIDE "G." Greenhouse fumigant. Aphis, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. 5 lbs., $3.00; 25 lbs., $10.00; 100 lbs., $30.00. Write for leaflet.

DERRISOL. Is an odorless non-poisonous liquid, which will control sucking insects like aphis, thrips, leaf hoppers and red spiders, also controls currant worms and other leaf-eating larvae. Oz., 35c; 8 oz., $1.20; 2 lbs., $3.00; 10 lbs., $12.00.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 35c; 5 lbs., $1.50; 25 lbs., $4.50; 100 lbs., $12.50.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Lb., 30c; 5 lbs., $1.25; 10 lbs., $2.25.

FLOWERS OF SULPHUR. Lb., 15c; 10 lbs., $1.00; 50 lbs., $3.00; 100 lbs., $5.00.

FUNGINE. New remedy for mildew, rust and other fungus diseases for greenhouse and outdoor use. Pint, 65c; 1 qt., $1.10; gal., $3.00.

FUNGTROGEN. A preventive and remedy for mildew, black spot, and many fungus diseases of roses and other plants. ½ pt., 75c; pt., $1.25; qt., $2.00; gal., $6.00.

GRAPE AND ROSE DUST. Excellent for the prevention and destruction of mildew on plants. 1 lb., 40c; 5 lbs., $1.50; 10 lbs., $2.50.

HELLEBORE POWDERED, White. Less poisonous than Paris Green and safer to use when fruit and vegetables are nearly ripe. Per ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., $2.25; 10 lbs., $4.00.

KALITE. A better and safer protection for vegetables, fruits and flowers. A non-poisonous insecticide in powder form for controlling chewing and eating insects; not to be mixed with water; can be applied with any standard duster. Price, 1 lb., 35c; 3¼ lbs., $1.00; 50 lbs., $5.50; 100 lbs, $10.00

KALOIL. Self-spreading, free-flowing pyrethrum spray; mixes freely with hard or soft water at all normal temperatures, without using soap, heating or extra handling; a contact insecticide which kills most insects such as aphis, plant lice, leaf hoppers, red mites, etc. Price, 1½ oz. can, 35c; 6 oz. can, $1.00; 32 oz. can, $3.50; gal., $10.75.

LEMON OIL. Destroys mealy bug, scale, red spider. ½ pt., 30c; pt., 50c; qt., 75c; ½ gal., $1.50; gal., $2.50; 5 gals., $10.00.

LIME SULPHUR. (Solution.) The best remedy for San Jose scale. One gallon makes twelve. Per qt. can, 45c; 1 gal., $1.00; 5-gal. can, $4.00. Write for prices in barrel lots.

McCLOUD SENTINEL RED SQUILL LIQUID. Kills rats, not a poison, safe to use anywhere. Small size makes 50 baits, price, 60c; large size makes 100 baits, price, $1.00; by mail, add 10c.

NAPTOCIDE. New plant and bulb fumigant; effective against thrips, wood-lice, sow bugs, wire worms, etc. 1 lb., 35c; 5 lbs., $1.25; 10 lbs., $2.00; 25 lbs., $4.00; 50 lbs., $6.00; 100 lbs., $11.00.

NEW EVERGREEN SPRAY. Non-poisonous insecticide. No spreader required; retains its strength. Oz. bottle, 35c; 6-oz. bottle, $1.00; 16-oz. bottle, $2.00.

NICO-FUME POWDER FUMIGATOR. Lights quickly, burns evenly and will not go out. No waste; every particle is consumed. It retains its strength indefinitely. 1-lb. tin, $1.00; 5-lb. tin, $3.35; 10-lb. tin, $5.85.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent nicotine. 1 lb., $2.00; 4 lbs., $5.75; 8 lbs., $10.00.

"NICO-FUME." A Tobacco Paper for Fumigating. Strips of paper strongly saturated with Nicotine. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, $1.25; 144 sheets, $4.50; 288 sheets, $8.00.

NICOTROL. An activated nicotine spraying preparation made by combining nicotine and penetrol. Qt., $1.25; gal., $2.75; 5 gals., $10.50.

NICOTINE. Fumigating powder. 10 lb. cans, each, $5.85.

NICOTINE PYROX. For chewing and sucking insects. 10-oz. jar, 50c; 5 lb., $2.00.

NIKOTEEN. 30% grade. For Spraying and Fumigating. Oz. bottle, 35c; ½ pt., $1.00; pt., $1.75; 3 pts., $5.00; original case 10 pts., $16.00. 40% grade, 4 lbs., $5.75; 8 lbs., $10.00.

PARIS GREEN. A poisonous insecticide in powder form; for insects which chew. ¼ lb., 20c; ½ lb., 35c; per lb., 55c; 5 lbs., $2.50; 14 lbs., $6.00.

PENETROL. An activator for nicotine spraying solutions. Qt., 75c; gal., $1.75; 5 gals., $6.75.

PYROX. Kills all leaf-eating insects, destroys fungus growth, blight and rot. Mixes easily in cold water, sprays without clogging and sticks to foliage. Price, lb., 50c; 5 lbs., $1.75; 10 lbs., $3.00; 25 lbs., $5.00; 50 lbs., $7.25; 100 lbs., $12.50.

POMO GREEN. Without nicotine. The new green Fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Lb., 50c; 5 lbs., $1.75; 25 lbs., $8.00.

POMO GREEN. With nicotine. 1 lb., 75c; 5 lbs., $3.00.

RED ARROW. Non-poisonous, kills by contact, will not burn or stain tenderest foliage, ounce will make 4 to 8 gals. spraying solution. Oz., 35c; ¼ pint, $1.00; qt., $6.00; gal., $17.50.

ROTECIDE. Contact and stomach poison. Kills mites, mealy bug, beetles, thrips, aphids, etc. Oz., 35c; ½ pt., $1.00; pt., $1.75; qt., $3.00; gal., $8.00.

ROTECIDE INSECT DUST. The standard rotenone dust for killing insects in greenhouses, stables, dog kennels and in the field. 1 lb., 50c; 5 lbs., $2.40; 10 lbs., $4.50.

SCALECIDE. An oil preparation for San Jose scale. Use 1 gal. to 15 gals. water. Qt., 65c; gal., $1.50; 5 gals., $5.25; 10 gals., $9.25. Write for price in barrel lots.

SELOCIDE. Kills red spiders. Price, qt., $1.00; gal., $2.75; 5 gals., $12.00.

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli and disinfection of seed bed soil. Prices, 2 oz., 50c; 1 lb., $2.50; 5 lbs., $11.75; 25 lbs., $46.25; 100 lbs., $180.00. Write for leaflets, stating for what purpose desired.
Write for leaflets on Semesan, Semesan Jr. and Semesan Bel.

SHEPS PLANT SPRAY. An effective non-poisonous solution that kills and controls both sucking and chewing insects. 2-oz. bottle, 35c; ½ pt., 75c; pt., $1.25; qt., $2.00; gal., $6.35; 5 gals., $30.00.

SLUG SHOT, Hammond's. Guaranteed to destroy potato bugs, and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb., 25c; 5-lb. tin, $1.00; 25-lb. bag, $4.00; per keg, 125 lbs., $17.00; barrel, 250 lbs., in bulk, $32.00.

SLUG SHOT DUSTER. ½ gal. size, 60c

SNAROL. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Price, 1½ lb., 35c; 4 lbs., 85c; 15 lbs., $3.00; 50 lbs., $8.00.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. 5 lbs., 45c; 10 lbs., 80c; 25 lbs., $1.45; 50 lbs., $2.25; 100 lbs., $3.50.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Per pt., 65c; qt., $1.25; gal., $4.80.

TOBACCO DUST. (Regular Grade.) 5 lbs., 35c; 10 lbs., 65c; 100 lbs., $4.00.

TOBACCO STEMS. 100 lbs., $2.50; 500 lbs., $9.50; 1,000 lbs., $18.00.

TREE TANGLEFOOT. Perfect safeguard for trees. 6 oz., 25c; lb., 60c; 5 lbs., $2.75; 10 lbs., $5.25; 25 lbs., $11.00.

TRIO-GEN. Insect spray and fungicide, harmless to foliage or blooms. A small kit makes 16 qts., $1.50; B medium makes 64 qts., $4.00. D estate kit makes 128 gals., $20.00.

VERMINE. For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. ½ pt., 40c; pt., 75c; qt., $1.10; gal., $3.00.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphis and thrips. ½ pt., 35c; pt., 55c; qt., 80c; gal., $2.50; 5 gals., $7.50.

WILSON'S O. K. PLANT SPRAY. A powerful yet harmless and efficient insecticide for aphis, red spider, mildew, scale, etc. Price, ½ pt., 40c; qt., $1.00; gal., $3.00; 5 gals. for $12.00.

WONDER-GROWTH Insecticide, Fumigant and Fertilizer. A finely ground ALL Tobacco Insecticide, Fumigant and Fertilizer. Very effective in all three of its uses. A very excellent plant food for flowers, lawns, gardens and shrubbery. 25 lbs., $1.75; 100 lbs., $4.75.

Sprayers and Dusters for Insecticides

THE HUDSON BARREL CART

Sprayer is a 50 gallon portable Sprayer desirable for use where the trees or bushes are too close or too low to permit driving a wagon through between them. It is easily and quickly wheeled from place to place. After the spraying is completed, the cart can be detached and used for hauling water, etc. The Pump and Barrel can also be used as a separate unit when desired.

Pump. Our regular 4AS Barrel Pump fastened in top of barrel with malleable clamps. Easily removed for cleaning, etc. Fitted with non-clogging tubular brass strainer and dasher agitator which cleans it automatically at each stroke of pump.

Tank. 50 gallon welded steel barrel, which will not warp, crack or check. Wood barrel can be furnished on special orders. Fitted with filling hole cover to prevent spilling.

Discharge Equipment. 6 feet of ⅜-inch 5-ply spray hose and a 4-foot extension rod—total 10 feet, and Ideal angle spray nozzle.

Cart. Steel frame and handles. Wheels are 36 inches diameter with 2-inch tire. Will pick up any barrel without the use of special fittings.

Shipping Weight. Cart only, 90 pounds. Pump and Barrel, 128 pounds. $39.00.

THE AUTO SPRAY No. 9

Tank of either solid copper or galvanized steel (copper bearing) inside of both tanks covered with non-corrosive coating. Eight to ten strokes of plunger in air chamber compresses enough air to discharge entire contents, making continuous spray for nine minutes. "Auto Spray" is improved by addition of the "Auto Pop" shown in illustration.

Price, galvanized iron reservoir **with Auto Pop,** $6.75; solid brass reservoir **with Auto Pop,** $9.50. Extension rods, two-foot lengths, 60c. Two-row attachments, $1.50.

See page 107 for insecticide nozzles.

WHEELBARROW SPRAYER

Ideal No. 32S

Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or whitewash. With extra long handle and large air chamber, develops 150 to 200 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 15 gals. Fully equipped with hose, nozzle, fittings, steel extension, etc. Price, $21.50.

Shipping weight, 80 lbs.

Wheelbarrow, same capacity as the above, with smaller pump, each, $13.50.

HUDSON Perfection Sprayer

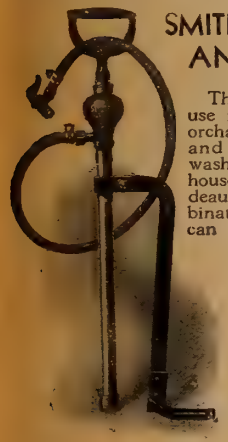
The tank is made of heavier metal than is generally used for similar sprayers, while the valve and pump are of special construction to give better service. Hose is attached at such an angle that it will not kink. Unexcelled for Whitewash, Water plants, insecticides, etc. Galvanized steel, $6.75; all Brass, $9.50.

SPRAYIT HYDRO MIXING NOZZLE

Applies fertilizer and insecticides as easily as sprinkling the lawn, adjustable from a wide finely atomized fog spray to a high stream for reaching the top of trees. Each, $3.95

BOTTLE SPRAYER

Especially adapted for spraying insecticides, flowers, houseplants and disinfectants. Each, $1.25.



SMITH'S WHITEWASH AND SPRAY PUMP

This is most excellent for use in gardens, greenhouses, orchards, washing windows, and automobiles or whitewashing and spraying poultry houses. Is fitted with Bordeaux nozzle, the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has large air chamber which throws an absolutely continuous stream, solid or in fine spray. It is one of the best pumps made for the money.

Price, complete, without bucket, $5.00.

PNEUMATIC SPRAYER

Compressed air **hand sprayer.** Operator sprays with one-half labor ordinary sprayer requires. Throws a fine mist and can be used to apply insecticides, etc. One quart size. Galvanized Tank $1.25; Brass Tank, each, $1.85.

BAMBOO EXTENSION ROD

Lined with aluminum. Eight feet long, with stop cock. Each, $4.75.

MYERS LITTLE GIANT BUCKET SPRAY PUMP

with agitator, complete with hose and combination fine or coarse spray and solid-stream nozzle, with malleable foot rest. Price, complete, $4.50, without bucket.

MISTY One quart tin hand sprayer. Price 50c; by mail, 60c.

LOWELL Mason Jar sprayer, holds 1 qt. Each, 75c.

HAND BARREL PUMP

No. 4 A. S.

Equipped with 12½ ft. high pressure spray hose, nozzle and fittings. Without barrel. Price, $10.95; Barrel $9.00 **extra.**

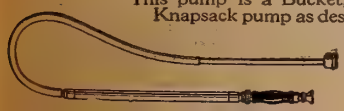
Write for prices on power sprayers.

LIGHTNING

Compressed air sprayer is designed to give the purchaser the greatest possible value at an attractive price. Can be used with whitewash and cold water paints, insecticides, disinfectants, shingle stains, etc. Galvanized tank, complete, $4.25.

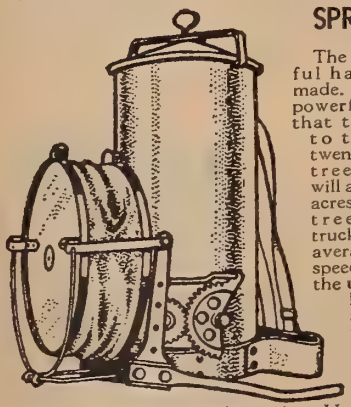
STANDARD SPRAY PUMP

This pump is a Bucket, Barrel or Knapsack pump as desired. Price, $4.00; with knapsack and curved extension, $8.00.



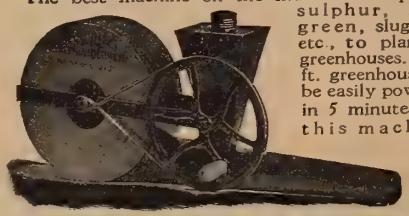
DUSTERS AND BLOWERS

THE AMERICAN BEAUTY DUST SPRAYER



The most powerful hand duster made. Has a large, powerful bellows, that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts the under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. Price, $19.50. Write for leaflet.

PEERLESS BLOWER



The best machine on the market for applying sulphur, Paris green, slug shot, etc., to plants in greenhouses. A 200-ft. greenhouse can be easily powdered in 5 minutes with this machine. Each, $9.00.

FEENEY MODEL B DUSTER

Splendid Hand Duster, Each, $1.00.

FEENEY MODEL F

Hopper capacity approximately 1 qt. Each, $1.35, postage extra.

Powder Bellows

For dusting with sulphur or like material.

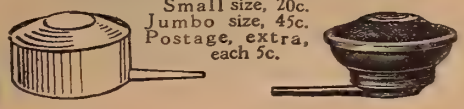
No. 11. Length, 17 inches over all. Each, $2.50

No. 16. Length, 21 inches over all. Each, 3.50

No. 100 DUSTER

Complete with attachments for dusting one or two rows. Capacity, 2 to 5 lbs., depending on powder used. Each, $9.50.

POWDER GUN, CYCLONE



Small size, 20c. Jumbo size, 45c. Postage, extra, each 5c.

Vaughan's High Grade Fertilizers

THERE are three chemical elements of plant food commonly used in fertilizers. They are nitrogen, phosphates and potash. A balanced fertilizer is one which contains all three, and gives a complete diet to the crop. And the composition of a balanced fertilizer is commonly expressed in a formula of three numbers with hyphens between, thus 5-8-7. The first indicates the proportion of nitrogen; the second, the proportion of phosphates; the third, the proportion of potash.

Fertilizer prices include delivery within 25 miles of Chicago on 25, 50, 100, 125, and 250 lb. lots. Smaller quantities delivered with orders of seeds, bulbs and supplies of $2.00 or more. On larger quantities than 250 pounds, owing to close quantity prices the customer pays all freight or express charges.

Vaughan's Lawn and Garden Fertilizer (5-8-6)

Five per cent nitrogen; eight per cent phosphoric acid; six per cent potash.—This mixture differs from our balanced plant ration, in that it is composed of plant foods in mineral form. The advantages of mineral fertilizer include the absence of objectionable odor, and the quality of being more readily soluble, which makes it more quickly effective upon plant growth. This is an excellent mixture for regular use in the garden plot in small quantities to insure vigorous growth.

For a new lawn, broadcast evenly 30 to 40 lbs. per 1,000 square feet. To stimulate an old lawn, apply 20 to 30 lbs. per 1,000 square feet, and during the growing season, wash it down immediately with the hose to prevent burning. For flowers and vegetables, use from 4 to 6 lbs. per 100 square feet.

Price, 5 lbs., 50c; 10 lbs., 85c; 25 lbs., $1.45; 50 lbs., $2.45; 100 lbs., $3.95 250 lbs., $9.25; 500 lbs., $17.50; 1000 lbs., $33.00; 2000 lbs., $65.00.

VAUGHAN'S BALANCED PLANT RATION (5-8-7)

Five per cent nitrogen; eight per cent phosphoric acid; seven per cent potash.—This is a balanced fertilizer, chiefly composed of organic matter (bone, blood and potash) which has been used for 50 years with excellent results by florists, truck gardeners and amateurs, and which we recommend as balanced fertilizer for all around use in the home garden.

For lawns, use 20 to 40 lbs. per 1,000 square feet; and for cultivated gardens, 4 to 6 lbs. per 100 square feet. As liquid manure, use 1 part to 30 parts of water.

Price, 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $3.95; 500 lbs., $17.00; 1000 lbs., $32.00; 2000 lbs., $62.00.

VAUGHAN'S "ROSE GROWER" BONE MEAL

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid, and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Nitrogen 2 per cent; total phosphoric acid, 20 per cent. Price 5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.50; 50 lbs., $2.45; 100 lbs., $3.95; 250 lbs., $9.25; 500 lbs., $16.50; 1000 lbs., $30.50; 2000 lbs., $59.00.

REGULAR BONE MEAL.—Price, 25 lbs., $1.45; 50 lbs., $2.40; 100 lbs., $3.75; 250 lbs., $8.75; 500 lbs., $15.50; 1000 lbs., $29.50; 2000 lbs., $57.00.

VAUGHAN'S SHEEP MANURE

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strewn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. Price, 5 lbs., 40c; 10 lbs., 70c; 25 lbs., $1.20; 50 lbs., $1.60; 100 lbs., $2.25; 500 lbs., $10.00; 1000 lbs., $16.50; 2000 lbs., $32.00.

Shredded Cattle Manure. Manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so that there is no refuse to blow about or be raked off when the growing season begins.

Price, 25 lbs., $1.25; 50 lbs., $1.75; 100 lbs., $2.75; 500 lbs., $10.50; 1000 lbs., $17.50; 2000 lbs., $34.00.

Adco Artificial Stable Manure. Make it yourself, in your own garden. To each ton of straw, hay, cornstalks or dried leaves add 150 lbs., Adco to make four tons of fresh or three tons of rotted manure. Adco contains nothing injurious to health or harmful to animal or plant life. Shipments accompanied by full directions. Price, 25 lb. bag, $2.50; 150 lbs., $11.50. Write for booklet.

Agricultural Gypsum. A high grade lime product for sweetening heavy and sour soils.
Price, 5 lbs., 30c; 10 lbs., 50c; 100 lbs., $2.25; 500 lbs., $9.00.

Bloom Aid. Is a food for hungry plants, a complete nourishment for plants, flowers, shrubs, vegetables, trees, and lawns. Carefully blended to contain the right forms and proportions of Nitrogen, Phosphoric Acid, and Potash. Price 1 lb., 25c; 5 lbs., 50c; 10 lbs., 75c; 25 lbs., $1.50; 100 lbs., $4.00.

Clay's Fertilizer. This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil as a top-dressing.
Price, 7 lbs., $1.75; 14 lbs., $2.85; 28 lbs., $4.45; 56 lbs., $7.75; 112 lbs., $13.85.

Fertilizer Spreader, Little Vigoro. An inexpensive spreader holds about 15 lbs., of fertilizer, can also be used for sowing grass seed. Each, $1.70.

Floranid Urea. A highly concentrated inorganic fertilizer containing 46 per cent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. Price, lb. can, 30c; 5 lbs., $1.10; 25 lbs., $3.25; 50 lbs., $5.25, in original bags.
Write for prices on larger quantities in original bags.

Hardwood Ashes. Rich in potash and containing all of the fertilizing elements except nitrogen. Is used on the lawn at the rate of a ton or more per acre as a first application, and annual dressing of three hundred pounds afterwards.
Price, 25 lbs., $1.30; 50 lbs., $1.85; 100 lbs., $2.85; 500 lbs., $10.00; 1000 lbs., $18.50; 2000 lbs., $36.00.

Horn Shavings. Quick acting and lasting. Price, 5 lbs., 95c; 25 lbs. $2.45; 50 lbs., $3.75; 100 lbs., $6.95.

Lime, Hydrated. A neutralizer for soil acidity. Price 10 lbs., 35c; 50 lbs., $1.50.

Leaf Mold. Put up in two bushel sacks. Per bushel, $1.25.

Limestone, Pulverized. Is a neutralizer for soil acidity, also improves the texture of the soil and liberates nitrogen and other plant food, and stimulates bacterial action. Apply after the land is plowed or dug for a crop, scattering with a lime distributor, 2 tons or more per acre, or by hand in small gardens—about a large handful to a square yard. Price, 100 lbs., $1.75; 500 lbs., $5.50; 1000 lbs., $8.50; 2000 lbs., $16.00.

Lime Phosphate, Ruhm's. Natures source of phosphorous. The most phosphate at lowest unit cost.
Price, 100 lbs., $2.50; 500 lbs., $9.75; 1000 lbs., $17.00; 2000 lbs., $30.00.

Loma. Beautifies lawns and gardens, a scientifically prepared plant food for lawns, flowers, vegetables, shrubbery and potted plants. Rich in Nitrates, Phosphates and Potash.
Price, 1 lb., 15c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.00.

Muriate of Potash. Imported Potash, once again available, should be used liberally, especially for all root crops.
Price, 25 lbs., $1.75; 50 lbs., $2.75; 100 lbs., $4.20; 500 lbs., $18.00.

Nitrate of Soda or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but one of the cheapest and best forms in which to apply Nitrogen to plants. Do not let nitrate touch green growth or it will burn. Remove the lumps before using and break them up, which can be done by pounding.
For the Home Garden apply as a solution one ounce to two gallons of water.
Price (subject to market changes), 5 lbs., 55c; 10 lbs., 95c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.00; 500 lbs., $17.50; 1000 lbs., $32.00; 2000 lbs., $62.00.
Write for prices on larger quantities.

For Fertilizer Spreader see page 105.

Nitragin. **The Original Legume Inoculator.** Alfalfa, All Clovers, and Lespedeza; ½ bu. size, 35c; 1 bu. size, 65c; 2½ bu. size, $1.40.
For Peas, Vetch, Beans, and Austrian Winter Peas. ½ bu., 35c; 1 bu., 50c; 1⅔ bu., 80c; 5 bu., $2.25.
Special Prices. Soy Beans and Cow Peas; 1 bu. size, 35c; 2 bu. size, 65c; 5 bu. size, $1.40; 10 bu. size, $2.45.
Garden Size, for Peas, Beans, Sweet Peas and Lupines, only 25c.
Always state kind of seed—legumes only.

Nitrophoska. A highly concentrated inorganic fertilizer clean and odorless. 15 per cent Nitrogen, 30 per cent phosphoric acid and 15 per cent Potash. 1 lb., 30c; 5 lbs., $1.10; 25 lbs., $3.25; 50 lbs., $5.25.
Write for prices on larger quantities in original bags.

Peat, Orchid. Very useful for orchids and azalias.
Price, $3.75 per sack of about 2 bushels.

Peat Moss, Granulated. A moisture-retaining humus. An important aid in saving soil fertility; better than manure; prevents the formation of hard top crust and fungus growth. Home garden size bale, about 6 bushels, $2.25; large bale of about 22 bushels., $4.25.

Scotch Soot (Genuine Imported). Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut-worms.
Price, 25 lbs., $2.25; 50 lbs., $3.95; 100 lbs., $6.75; 500 lbs., $30.00.

Soil-Aid. All organic fertilizer. A good plant food for the vegetable and flower garden. Price, 25 lbs., $1.00; 50 lbs., $1.60; 100 lbs., $2.35; 500 lbs., $9.00.

Super Phosphate. Twenty per cent available. Bone phosphate the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid.
Price, 25 lbs., $1.40; 50 lbs., $2.00; 100 lbs., $3.00; 250 lbs., $6.75; 500 lbs., $11.50; 1000 lbs., $21.00; 2000 lbs., $41.00.

Sulphate of Ammonia. Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. It tends to create an acid reaction in soil. Do not let it touch green growth. Use 1 pound to 50 square feet.
Price, 25 lbs., $1.75; 50 lbs., $2.75; 100 lbs., $3.95; 500 lbs., $17.00.

VAUGHAN'S CONCENTRATED PLANT FOOD. A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers. It is entirely free from objectionable odor and may be used in powder form or dissolved in water to make liquid fertilizer. It contains all the chemical elements known to be of value as plant food.

Package containing food for 20 plants for 3 months, large package containing sufficient plant food for one year. Directions in package. Small packages, each, 20c, if by mail, 25c; large packages, each; 30c, if by mail, 35c.

Vert. Vert is a complete, balanced fertilzer, 5-8-6 formula, containing no inert matter and entirely odorless. It provides all elements of plant food necessary for lawn, flowers, vegetables, fruits, trees or shrubs, in water soluble form, quickly available. Price, 5 lb., canister with perforated top, 50c; 25 lb., bag, $1.50; 50 lb., bag, $2.50; 100 lb., bag, $4.00.

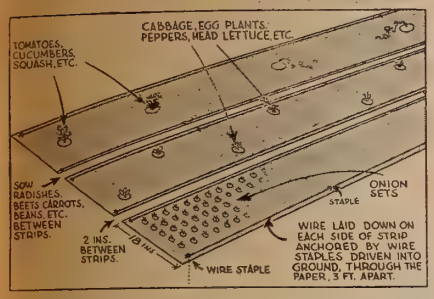
Vigoro. Is a complete, scientifically balanced plantfood. It contains nitrogen, phosphate and potash in the proper proportions for the best results. In addition, it contains the other elements such as manganese, magnesium, iron, sulphur, etc., which are so important. Odorless, easy to use, with complete directions with each bag. We recommend it. Price, 12 oz., 10c; 5 lbs., 50c; 10 lbs., 85c; 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.00.

Wondergro. **New life plant tablets.** Best for potted plants; bury each tablet about one inch down in the soil; they disintegrate rapidly; use two tablets for 4 inch pot. Directions enclosed in each package. Price per package of 40 tablets 30c; pkg., of 100, 65c; 1000 $3.50, postpaid.

These Prices are Subject to Change Without Notice.

Novelty Garden Tools, Supplies

MULCH PAPER FOR YOUR GARDEN

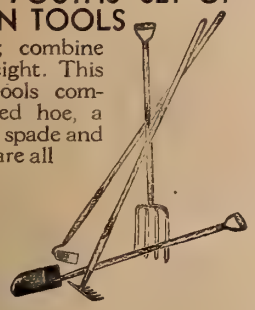


Both state and federal experiment stations have proved the value under American conditions of the paper mulch method which was originated by Charles F. Eckart on Hawaiian sugar plantation. For the home gardener the paper mulch is invaluable. Laid down between the rows, it (1) makes cultivation unnecessary; (2) increases moisture in soil and does away with irrigation; (3) increases yield enormously.

Gator-Hide mulch paper, impregnated with asphalt. Type A, 300 lineal yards, 18-in. wide, approximately 30 lbs., $3.00 per roll. 36-in. wide, approximately 60 lbs., $6.00 per roll. Type B, extra heavy for perennial crops, 150 lineal yards, 18-in. wide, approximately 30 lbs., $3.00 per roll; 36-in. wide, approximately 60 lbs., $6.00 per roll. Small garden size roll, 45 lineal feet. Price, 65c; by mail, 85c.

Write for discount on 10 rolls or more.

LADIES' AND YOUTHS' SET OF GARDEN TOOLS



Well constructed; combine strength and light weight. This set of light-weight tools comprises a long handled hoe, a garden rake, garden spade and spading fork. They are all serviceable, well-constructed tools (not toys), handy for use in camp and home gardens. Price, per set, $3.95.

B-B IMPROVED CELERY BLEACHERS

The B-B Celery Bleachers are made in three sizes:

	Inches	Per Doz.	Per 100	Per 500	Per 1,000	Wght. Per 100
B-1	6 x12	$.40	$2.75	$12.75	$24.00	9½ lbs.
B-2	6½x13	.45	3.10	13.90	26.00	11½ lbs.
B-3	7 x14	.50	3.45	15.00	28.00	12½ lbs.

The B-1 size is usually used on medium or average size celery. The B-2 is for larger stalks; the B-3 is for very large stalks, especially the green varieties which usually grow much larger than the self-bleaching kinds.

Three types of handler are available:

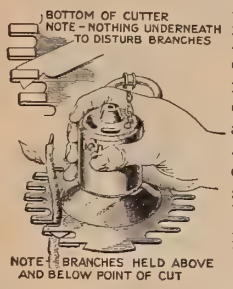
H-1—Celery Handler, (brass) - - Each, $2.25
H-2—Celery Handler, (heavy fibre), Each, $1.00

When ordering, always state whether to be sent by parcel post, express or freight. If by parcel post, kindly include necessary amount for postage.

If interested, but want to be shown, send one dollar for a trial outfit.

It will be forwarded by parcel post anywhere in the United States prepaid and will contain a fibre handler and 18 bleachers, 6 each of B-1, B-2, and B-3 sizes. If you grow celery for your own use only, and have never used the new B-B method of bleaching, at least try it. Send One Dollar for this trial outfit.

THE O. K. ELECTRIC HEDGE CUTTER



It can not be overloaded, branches are held while cut, it will cut any shape or kind, it will cut as fast as it can be moved. You can also trim grass edge and bushes. It will pass over cut tips without stubbing. You can bevel the edge, cut round tops and corners. You can cut to exactly where you made the last cutting, to hold your hedge growth back. The direct hold on the motor allows you to guide the hedge cutter accurately. Price, $9.75.

LITTLE WONDER Hedge Trimmer.

Will trim your hedge five to ten times faster than hand shears. Attachments come with each machine to adapt it to flat, round or pivot tops as well as side cutting; 30-inch, $25.00; 40-inch, $27.50; 60-inch, $35.00. Side-cutting carriage for trimming sides as illustrated. $4.50.

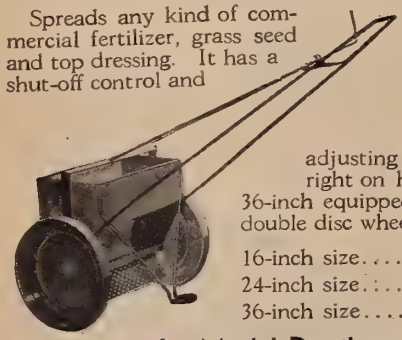
Illustration shows trimmer with side-cutting carriage.

Electric Model

Little Wonder Hedge trimmers. Junior Model, 27-inch, cutting surface. Each, with 15 ft., of wire, $55.00. Senior Model, 36-inch, with 15 ft. wire, $95.00. 60-inch with 15 ft. of wire, $100.00. Extra 100 ft. length best quality rubber covered waterproof wire with handy reel, $4.50. Write for leaflet.

MASTERS' PERFECT FERTILIZER DISTRIBUTOR

Spreads any kind of commercial fertilizer, grass seed and top dressing. It has a shut-off control and adjusting device right on handle. 36-inch equipped with double disc wheels.

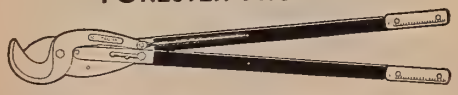


16-inch size....$ 9.25
24-inch size.... 12.00
36-inch size.... 18.00

Master Jr., Model Distributor

16-inch for small lawns. Each, $2.75

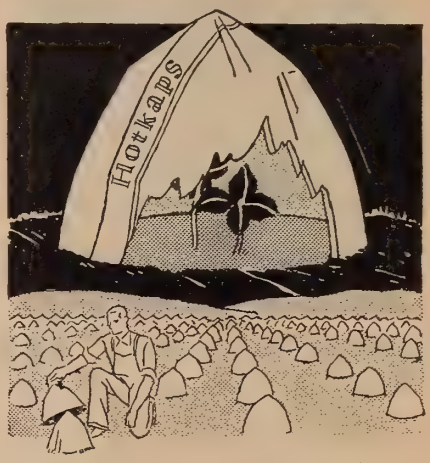
FORESTER PRUNERS



No. 1—20 inches long designed for the fruit grower. Each, $4.25. Weight, 2 lbs. 10 ozs.

No. 2—27 inches long, has a capacity up to 1½ inch in green wood. Price, $5.50. Weight, 4 lbs. 10 ozs.

No. 3—34 inches long, capable of cutting up to its rated capacity in any so-called hardwood such as oak, maple and beech. Weight 7 lbs. 4 ozs. Each, $7.00.



HOTKAPS

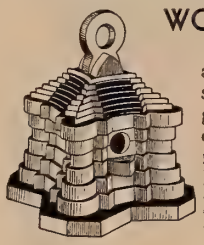
These plant protectors mean larger, earlier, premium crops.

Protects plants from frost and other elements, matures crops earlier, keeps insects out, keeps soil soft. They are made of a specially prepared waxed paper and are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. When placed over the plants and held firmly in place by the soil around it, Hotkaps become individual miniature hothouses.

Hotkap Setter. Will prove very helpful. This is a small steel cone, the exact shape of the Hotkap itself with a handle at the top. The cost of the Hotkap setter is nominal and it can be used a lifetime.

Prices: 1,000 lots, $10.00; 5,000 lots, $9.85 per M; 10,000 lots, $9.75 per M; 250 Trial Package including Garden Setter with Tamper, $3.50; 100 Home Package, including Garden Setter with Tamper, $2.40; Germaco Hotkap Steel Setter with Tamper, $2.25; postage extra. Wt.: 1,000 package HOTKAPS, 28 lbs.; 250 package, 8½ lbs.; 100 package, 4¼ lbs.; Steel Hotkap Setter, 3 lbs.

WOOD WREN HOUSE

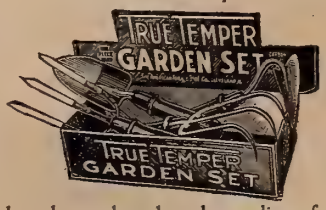


Maintains even temperature. Hole just the right size, is much liked by this great songster. A real decoration to your garden, made of solid white pine lumber, (no veneer) approximate weight 8 lbs. Price, $1.25; three for $3.50.

SPRALITE SPRINKLER

A splendid sprayer for in or outdoor plants, rose bushes, etc. Throws fine spray under or over foliage of any plant or shrub, removing dust and insects. Each, 75c; by mail, 85c.

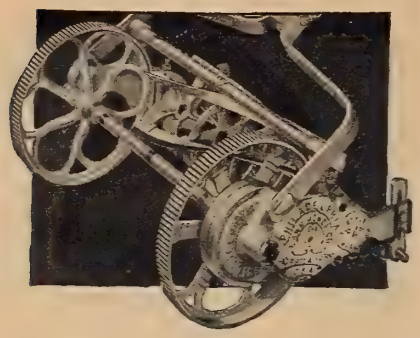
GARDEN SET, TRUE TEMPER



This is a high grade set. Each tool is forged from one solid piece of bar steel. For complete set of trowel, hand weeder, hand spading fork and baby Warren hoe, $2.75.

We Supply Everything

LAWN MOWERS
LAWN ROLLERS
LAWN TRIMMERS



PHILADELPHIA LAWN MOWERS

FOR HALF A CENTURY THE STANDARD OF QUALITY

We list the two highest grade machines universally used by cemeteries and parks.

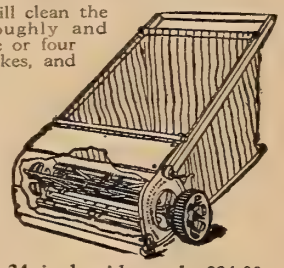
Style A. High wheel, all steel, very easy to run and light in weight. Ten-inch driving wheels. Long, large bearings, four blades, double ratchet. More of these mowers used by parks and estates than all other makes combined. Three gears on one side. 15 in., **$21.00**; 17 in., **$23.00**; 19 in., **$27.00**; 21 in., **$29.00.**

Style K. Cylinder with 5 blades. Driving wheel 10 inches. Big bearings, bored with rifle-barrel accuracy. Vanadium crucible steel blades. Very durable. Single pinion gears on both sides. 14 in., **$15.00**; 16 in., **$16.00**; 18 in., **$17.00**; 20 in., **$18.00.**

Perfection Grass Collectors. Have a galvanized iron bottom and never-rip cloth connections. Always be careful to state size and style of Mower when ordering.

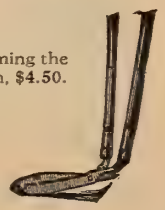
No.		Each
301	Adjustable to mowers 12 to 16 inches....	$1.45
306	Adjustable to mowers 16 to 20 inches....	1.75

GEM LAWN SWEEPER



This machine will clean the lawn more thoroughly and quickly than three or four men with hand rakes, and greatly benefits the turf. Put together in the most durable and thorough manner. The rakes are flexible, the rake-heads being divided in the middle and hung on easy swinging hinges which are kept in position by retaining springs. **Price, 24-inch wide, each, $34.00.**

SHEARS



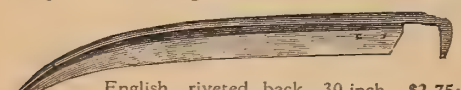
Border—Long handle for trimming the edges of borders and walks. 9-inch, **$4.50.**

Grass—For trimming grass on edges and around flower beds. Each, **50c.**

Write for leaflets and prices on Motor Mowers.

GRASS HOOKS, SCYTHES

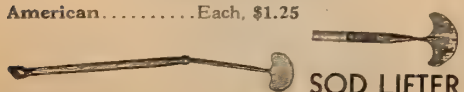
English. Riveted back. Each.....**85c**
Domestic. Best quality.....**75c**
Kelly No. 4. Perfect grass hook. Each, **75c.**



English, riveted back, 30-inch, **$2.75**; 36-inch, **$3.00.** **Scythe Snath,** each, **$1.85. Scythe Stone.** Natural, **25c** each.

TURF EDGER

American.....Each, **$1.25**

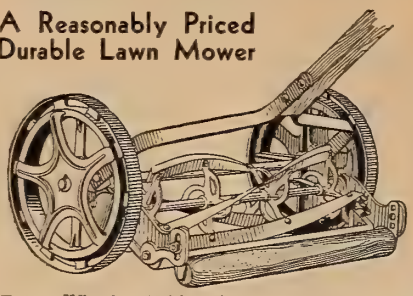


SOD LIFTER

Polished steel blade, strap ferrule. D handle with ebonized wood grip. Length of handle, 2¾ feet. Length over all, 4 feet. Price, each, **$2.25.**

REPUBLIC BALL-BEARING

A Reasonably Priced Durable Lawn Mower

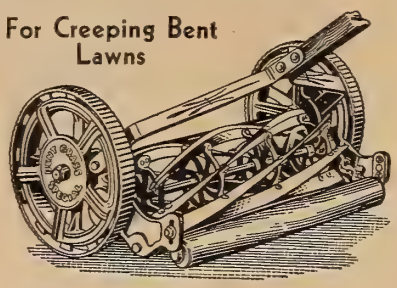


Drive Wheels—10½ inches; open spoke design; revolve on steel bearings.
Reel—5½ inches in diameter; malleable spiders; steel shaft.
Gears—Double; one in each wheel; flat steel pawls.
Blades—Four crucible tool steel, hardened and tempered.
Ball-Bearings—Self-adjusting; dust-proof.
Bottom Knife—Tool steel; self-sharpening.
This mower is very graceful in outline and one of the easiest running machines on the market. Handsomely finished in aluminum bronze with blue and gold decorations.

14-inch	16-inch	18-inch
$8.00	$8.50	$9.00

CRICKET SPECIAL BALL BEARING MOWER

For Creeping Bent Lawns



Self-Adjusting Ball Bearings in revolving cylinder guaranteed for the life of the mower. Drive wheels 10½ inches in diameter, open type. Geared on both sides with reciprocating pawl ratchets. Cutter bar special design raised edge tool steel hardened and tempered in oil. Height of cut, 5/16-inch to 1¼-inch. Seven blades, high speed tool steel, hardened and tempered, self-sharpening. Sizes: 16-inch, **$15.00**; 18-inch, **$16.00.**

LAWN EDGERS

Perfection is devised for edging lawns. It is simple and efficient.

Place the stub upon the sidewalk or curb, holding handle well up, with cutter blade down. Use short, firm stroke, forward and back. With each backward stroke the edge is allowed to clear and will prevent clogging. **Price, $1.85.**

Berghman Lawn Mower Sharpener. A high-grade durable lawn mower sharpener, easy to use and adjustable to all types of machines. No danger of making low spots in the blades. **Price, $1.00.**

No. 2 Planet Jr. Grass Edger. A hardy tool to keep your lawn edges well trimmed. **Price, $1.75.**

GENUINE DUNHAM WATER-WEIGHT LAWN ROLLERS

Water Ballast Lawn Rollers, steel handles, roller bearings, acetylene welded drums with anti-turf-tearing tires, non-rust shut water entrance. The most efficient and easiest running roller made. Weighs 50% more when filled with sand. Water is more convenient.

No.	Diam. in.	Length in.	Sections	Wt., empty	Filled water	Price
WB5.....	18	24	1	85	265	$14.00
WB7.....	24	24	1	110	420	16.50
WB9.....	24	32	1	130	565	19.00

Dunham rollers with plain bearings slightly lighter than the roller-bearing rollers.

No.	Diam. in.	Length in.	Sections	Wt., empty	Filled water	Price
WB2.....	14	24	1	68	175	$ 9.75
WB4.....	18	24	1	82	265	11.50

WB1 for miniature golf courses; diam. 14 in.; width, 15 in.; wt. empty, 45 lbs.; filled with water, 115 lbs. **Price, $9.00.**

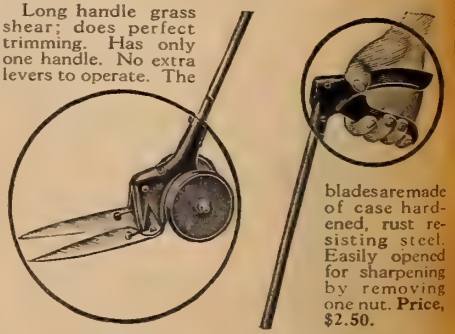
Write us for price and leaflet on Dunham Water-weight Horse and Tractor Rollers.

PHILADELPHIA LAWN TRIMMER

Does what Lawn Mower leaves undone. Having one side without wheel, it can run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc. **Price, each $8.00, complete.**

DOO-KLIP

Long handle grass shear; does perfect trimming. Has only one handle. No extra levers to operate. The



blades are made of case hardened, rust resisting steel. Easily opened for sharpening by removing one nut. **Price, $2.50.**

Vaughan Doo-Klip Grass Shear. Each, **$1.50.** By mail, **$1.60.**

Doo-Klip

for the Lawn, Etc.

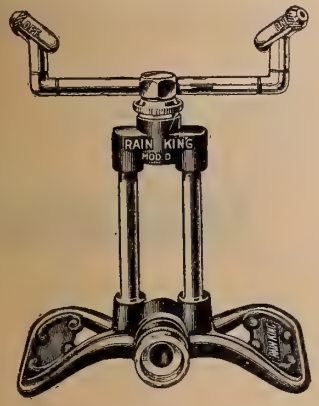
HOSE REELS, SPRINKLERS, RAKES, EDGERS, ETC.

GARDEN NON-KINKABLE HOSE

Best hose, finest quality of rubber. Will not kink and will last for years. We can supply any length fitted with couplings. There is no economy in buying cheap hose. **Price,** ¾-inch, per 25 feet, **$3.25**; 50 feet, **$6.00**; 100 feet, **$11.50.**

A good grade garden hose, ⅝-inch, fitted with couplings. 50 feet length, **$4.00.**

MODEL D RAIN KING



The latest Rain King, and world's greatest sprinkler value. Works on all water pressures or any spray. Sets quickly to turn fast or slow or for stationary sprinkling. Each, **$2.00.**

DOUBLE WHIRLING SHOWER SPRINKLER

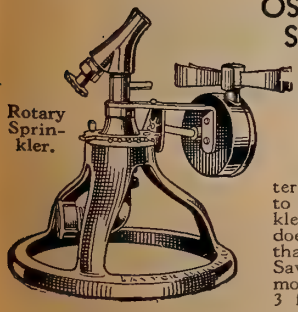
Each, 90c

LINCOLN PARK OR BUTTERFLY

Cheapest and best Sprinkler made. Each, **35c.**

Mounted on stand: 2-foot, **95c**; 4-foot, **$1.10**; 6-foot, **$1.25.**

ROTARY and OSCILLATING SPRINKLER



Rotary Sprinkler.

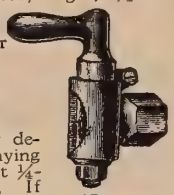
This sprinkler is adjustable at will from bell-shaped spray to full stream, half or full circle, 15 to 80 feet diameter. It is a pleasure to watch this sprinkler in operation. It does the work better than a man can do it. Saves time, labor and money. Each, **$9.00**; 3 for **$28.50.**

ROSS PORTABLE SPRINKLER

Ross Portable Sprinkler System. A good substitute for an underground sprinkling system for the small lawn at a much lower cost. When used between lengths of hose of about 15 ft., three tees will cover about 675 sq. ft. of lawn and four tees will cover about 900 sq. ft. Each set consists of No. 30 adjustable tees and No. 58 square spray heads, with one No. 70 hose cap. Per set of three, **$3.50**; weight 2 lbs.; per set of four, **$4.60**, weight, 2½ lbs.

RIP

The master rainmaker sprinkler. Each, **$1.00.**



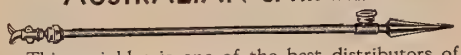
INSECTICIDE NOZZLES

These are especially designed for use in spraying insecticides. Made to fit ¼-inch pipe connection. If wanted to fit ¾-inch hose, order reducer, **45c extra.**

Bordeaux Nozzle. Each, **85c**; by mail, **90c.**

Vermorel Nozzle. Each, **85c**; by mail, **90c.**

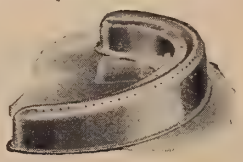
AUSTRALIAN SPRINKLER



This sprinkler is one of the best distributors of water, because of its rapid revolution and form of its wings, spraying the water very finely and evenly.

Mounted on stand, 2-foot, **95c**; 4-foot, **$1.10**; 6-foot, **$1.25**; 8-foot, **$1.35.**

CRESCENT SPRINKLER



Price, **60c**; by mail, **70c.**

FOUNTAIN SPRINKLER

The mist-like spray that has made the name Fountain known all over the land. Each, **65c**; by mail, **75c.**

PERFECT CLINCHING COUPLER

¾-inch, per pair, **25c**; doz., **$2.50.**

PERFECT CLINCHING HOSE MENDER

A self fastening coupling that doesn't require extra bands, bolts or wires. It adjusts itself to any thickness of hose. ¾-inch, each, **10c**; doz., **$1.00.**

HOSE CLAMPS. Bull Dog. Each, **5c**; doz., **50c.** Prepaid.

HOSE STRAPS. Caldwell. Used in fastening coupler on hose. Each, **5c**; doz., **35c.** Pliers for same, **35c.**

HOSE NOZZLES

Gem. Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for ¾-inch hose. Each, **60c**; by mail, **65c.**

Boston Rose Spray. Brass; for ¾-inch hose; useful for watering lawn and garden. Each, **$1.35**; by mail, **$1.45.**

Justrite Hose Nozzle. For lawn and garden, can be changed from fine spray to stream. ¾-inch, each, **45c**; by mail, **50c.**

Ross No. 10 Hand Sprinkler. Preferred by nurserymen and home owners alike. Capacity 7 gallons per minute. Do not compare with cheaper imitations. Each, **95c.**

THE EVANSTON SPRINKLER

One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area.

Each, **60c**; 3 for **$1.75.**

THE COOPER HOSE MENDER

Best hose mender. Brass, with sharp barbs on either end, prevent hose slipping off. ½ or ¾-inch, each, **10c**; doz., **95c**; 1-inch, each, **12c**; doz., **$1.15**; postage, **5c** doz., extra.

Iron Mender. For ¾-inch hose, each, **6c**; doz., **65c.**

HOSE WASHERS. ¾-inch, per doz., **5c**; gross, **50c.**

BROOM RAKE. Made of Spring wire. Each, **$1.25.**

HOSE REEL—ALL IRON

Very light, fractionless wheels being so high are very easily worked; no tipping when winding or unwinding hose.

No. 10 for 100 ft. ¾-in. hose.....**$4.25**

No. 20 for 150 ft....**$5.25**

Donley's, all steel. Each, **$3.00.**

ELECTRIC WORM ERADICATOR

Is more effective than any other material, bringing the worms up and killing them on the surface where they can be raked off. Is safe to use on the finest lawn. Pint, **$1.00**; gal., **$4.00**; 5 gals., **$16.00**; 10 gals., **$29.00.**

"HERBICIDE"

THE WEED EXTERMINATOR

For ordinary grass and weeds each part of Herbicide may be diluted with forty to fifty parts of water. One gallon will cover app. 2,500 sq. ft. Herbicide is a poison. Live stock should be kept off the treated ground until the dead leaves wither away. Qt., **70c**; gal., **$2.00**; 5 gals., **$7.50**; 10 gals., **$12.50**; 30 gals., **$26.00**; 55 gals., **$40.00.**

Reade's NON-POISONOUS Weed Killer

Qt. can, **70c**; gal., **$2.00**; 5 gals., **$8.00.**

PURFECK

Chickweed Eliminator; kills only the chickweed and does not injure the grass, making it unnecessary to dig out the patches where chickweed appears or re-plant or resod such portions of the lawn or turf. Price, qt., **75c**; gal., **$2.00**; 5 gals., **$9.00.**

ATLACIDE

Non-poisonous Weed Killer Duster, especially recommended for obtaining weed-free driveways, paths, tennis courts, and gutters. 1 lb., Duster kills 100 sq. ft. of weeds, price, **50c**; 3½ lb., Duster, kills 350 sq. ft. of weeds, price, **$1.50.** 15 lb., drum kills 1,500 sq. ft., price, **$3.50**; 50 lbs., **$7.00.**

Write for prices on larger sizes.

WEED KILLER KIT

Killer Kemical kills Dandelions, Thistles, Plantain, Buckhorn and other common weeds. Does not sterilize the soil—Is not poisonous or inflammable—Does not stain walks or clothing—Does not corrode or rust metals.

Killer Kane insures easy and economical application—No stooping or back-breaking. Place Kane on crown of dandelion or weed and press handle slightly. A small amount of Kemical is released and does all the work. Children as well as grown-ups can operate effectively.

Killer Kits (Kane and ½-gal. Kemical).....**$1.95**

Killer Kemical, ½-gal.... **1.10**

Special prices for larger quantities of Kemical.

Owing to the fluctuations of the market, prices are subject to change without notice.

Vaughan's Garden

GLAZING MATERIALS AND POTS

MASTICA. For glazing greenhouses, hotbeds, sash, etc., better than putty; does not crack, always remains soft. Per gallon, **$2.85.**

MASTICA MACHINE. For applying above. (Weight, 1½ lbs.) Each, **$3.25.**

PUTTY. Twemlow's Old English. Semi-liquid. Same as Mastica. Per gallon, **$2.85.**

PUTTY BULB

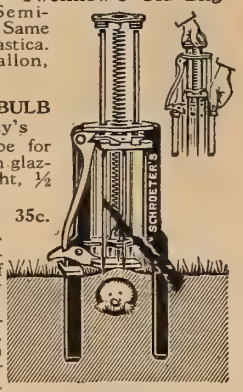
Putty Bulb Scollay's Useful tool with a tube for applying liquid putty in glazing greenhouses. (Weight, ½ lb.) Each, **$1.75.**

PUTTY KNIFE. Each, **35c.**

MOLE TRAP IMPROVED, with patented setting attachment. One of the best mole and gopher traps. Each, **$2.00.**

MOSS. Sphagnum. Burlapped bales. Ea., **$1.75.**

SHEET MOSS. (Green) Freshly gathered; for Windows, Boxes, etc. Per sack, **$2.50.**



Mole Trap

POTS (Flower)

F. O. B. Chicago. Write for New York Prices.

RED CLAY POTS. We pack these carefully, but will not be responsible for breakage.

	Doz.	100	1000		Doz.	100	Each
2 in..	$0.35	$1.45	$10.25	6 in.	$1.25	$ 7.75	....
2½ in.	.40	1.65	12.75	7 in.	1.65	11.75	....
3 in..	.50	2.50	16.25	8 in.	2.25	16.25	....
4 in..	.65	3.00	....	10 in.	....	....	$0.60
5 in..	.85	5.50	....	12 in.	....	....	.85

COLORED POTS. Painted in the following shades: Green and black, orchid and black, red and black, orange and black, and blue and black.

	Doz.	100		Each	Doz.	100
4-in...	$0.95	$ 5.50	8-in..	....	$ 4.00	$27.00
5-in...	1.20	8.00	10-in..	$0.75	7.80	....
6-in...	2.00	12.00	12-in..	1.25	12.60	....
7-in...	2.75	17.50				

PANS (Azalea)	Ea.	Doz.		Each	Doz.
6-in.....	$0.15	$1.25	9-in....	$0.30	$3.25
7-in.....	.20	1.65	10-in....	.60	....
8-in.....	.25	2.25	12-in....	.85	....

PANS (Fern)	Ea.	Doz.		Each	Doz.
6-in.....	$0.15	$1.25	8-in....	$0.25	$2.25
7-in.....	.20	1.65	10-in....	.60	5.50

SAUCERS—Red Rubber

	Each	Doz.		Each	Doz.
4-inch.....	$0.15	$1.60	7½-inch	$0.40	$ 4.35
5-inch.....	.18	1.85	10-inch..	.75	8.40
6-inch.....	.25	2.40	12-inch..	1.00	10.80

SAUCERS—Clay

	Doz.	100		Doz.	100
5-inch.....	$0.60	$3.75	9-inch..	$2.00	$13.50
6-inch.....	.85	5.25	10-inch..	2.85	....
7-inch.....	1.10	7.50	12-inch..	4.20	....
8-inch.....	1.45	9.00			

NEPONSET PAPER POTS. Made of water-proof paper, light, clean and unbreakable.

	Doz.	100	1000
2¼-in.....	$0.14	$0.70	$ 4.75
2½-in.....	.17	.85	5.40
3 -in.....	.20	1.10	7.75
3½-in.....	.25	1.25	8.50
4 -in.....	.28	1.45	11.00
5 -in.....	.35	2.15	16.50
6 -in.....	.40	2.75	21.00

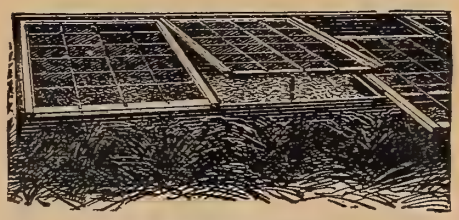
GARDEN LINE REEL. (Weight, 2 lbs.) Each, **$1.35.**

GARDEN LINE. Each heavy braided. Per 96 feet, **95c;** by mail, **$1.00.**

GRAFTING WAX. Per ¼ lb. bar, **20c;** ½ lb. bar, **35c;** 1 lb. bar, **60c.**

National Eezy Wear Garden Gloves

Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium," "Large"—for men: "Medium," and "Large." Price, **75c** a pair, postpaid.



HOTBED SASH

HOTBED SASH. Made of the very finest material. **Unglazed** are not painted. **Glazed,** painted one coat. Single strength glass. Add **30c** per sash for double strength.

Size, 3x6 ft., holds 3 rows 10-inch glass.

Unglazed, each, **$2.85;** 3 for **$8.00;** doz., **$29.00.**

Glazed, single strength glass, each, **$5.50;** 4 for **$20.00;** doz., **$58.00.**

We can supply Electric Heaters for hotbeds. $9.95 complete with thermostat. Write us for leaflet.

HEATING CABLE

Electric cable for heating hotbed. New type Okobestos, corrosion proof, nickle chromium wire, felted asbestos insulation, lead sheath. Sixty feet heats 6x6 ft., bed. Price F. O. B. Chicago **$6.00.** Extra cable, per ft., 10c. Complete installation instructions furnished.

General electric soil heating thermostat, to control cable heat; 110 or 230 volt, A. C. Will handle up to ten beds. F. O. B., Chicago, **$7.50.**

PECKY CYPRESS FLATS. Made of selected Pecky cypress, with ⅞-inch ends, and the balance of 1-inch resawed lumber.

	Doz.	100
K. D. 20 x14x2¾	$3.50	$20.00
K. D. 20 x14x3¾	3.75	22.00
K. D. 22⅜x15x3¾	4.00	24.50

CEL-O-GLASS

Will take the place of glass in hotbed sash, garage and barn windows, storm doors, and many other purposes, at a great saving. Unbreakable and very light in weight. No glazing. Hammer and tacks are the only tools you need. Put up in rolls 3 feet wide up to 100 feet long. Price per square yard, **$1.45;** 25 ft. roll 3 ft. wide, **$9.75;** 100 ft. roll, **$35.00.**

RED DEVIL GLASS CUTTER. Each, **25c.**

GLASS CUTTER DIAMOND. Each, **$5.50.**

GLAZING POINTS. Vaughan's Perfection. No rights or lefts; No. 2, small, for single thick glass; No. 2½, double thick, for greenhouses and skylights. Price per box of 1 lb., **70c;** by mail, **80c. Siebert's Improved.** Easy to drive, and will not wedge or crack glass, 2 sizes, ⅝ and ⅞-inch long. Price per lb., **70c;** by mail, **80c.**

HOTBED MATS AND PLANT BED CLOTH AND VIO-RAY WINDOW FABRIC

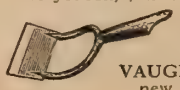
Milo Waterproof Hotbed Mats. A combination of heavyweight burlap felt and absorbent pulp, cemented together with a specially prepared waterproof compound absolutely impervious to rain, sleet and snow; proof against frost; repellant to rats and mice. Easy to handle, wears for years.

Size, 40x78 inches. Each, **$2.25;** doz., **$21.00.**

Size, 78x80 inches. Each, **$4.25;** doz., **$39.00.**

PLANT BED CLOTH. For Flower Beds, cheap substitute for glass, answering many uses equally well, width 36 in., 20 to 60 yards, medium, per yd., **23c;** heavy, **32c;** 60 to 100 yds., medium, per yd., **21c;** heavy, **30c;** not less than 20 yds. of a kind sold.

WINDOW FABRIC VIO-RAY. A strong fabric treated by a patented process to make it transparent, weatherproof and waterproof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It comes in rolls 36 inches wide and any length. Per yd., **30c;** 10 yd. roll, **$2.75.**



HOE. English Scuffle or Push. 6-inch, **$1.25;** 8-inch., **$1.50.** Without handle.

VAUGHAN'S BULB PLANTER. A new handy tool, made of wood. Each, **75c.**

KNIVES

Budding. Aluminum handle. Each, **$1.75;** by mail, **$1.80.**

Budding and Prop. Two blades; white handle; brass caps. Each, **$1.50;** by mail, **$1.55.**

Propagating. "The Vaughan," best of all. Each, **$1.25;** by mail, **$1.30.**

Pruning. Stag handle, imported. Each, **$2.50;** by mail, **$2.55.**

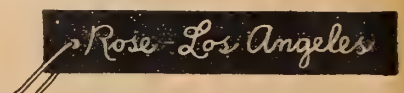
Potato Knife. "The Humphrey." Will cut to one or more eyes without injuring the vital tissues. Each, postpaid, **35c;** 3 for **$1.00.**

CARBORUNDUM BRAND. Home and garden sharpening stone. For sharpening knives, shears, edgers, etc. 10¼ inches long over all. Fitted with a durable wood handle finished in red. Each, **60c;** by mail, **70c.**

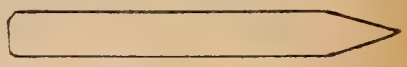
LABELS

LABELS. Zinc, Tree. Wired 3¾ inches long, ¾-inch wide. Price per doz., **25c;** 100, **$1.75.**

Simplex, Shrubbery. Doz., **50c;** 100, **$3.25.**



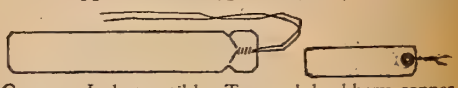
SIMPLEX Green Weather Proof Plant Labels. Price includes copper wires for attaching and steel stylus for marking. No. 31, size 3x½ inch, per 100, **$2.50.**



Wooden. For pots, painted.

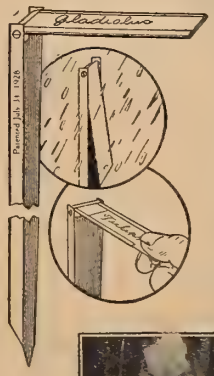
	100	1000		100	1000
4-inch....	$0.45	$2.10	6-inch ..	$0.55	$ 3.25
5-inch....	.50	2.75	12-inch ..	1.45	12.50

Tree, Copper Wired. 3½ in. 100, **55c;** 1000, **$3.10.**



Copper. Indestructible. Tree and shrubbery, copper wired. Small, **25c** doz.; 100, **$1.75;** large, **35c** doz.; 100 for **$2.35.**

Heavy Wood. Made of cypress. For use outside, will last for years. Splendid for Perennial Plants, ⅜-inch thick, 16x1¼in. Doz., **65c;** 100 for **$4.00;** 18x2 in., doz., **75c;** 100 for **$4.95.**



PEERLESS PLANT STAKES. Non-rusting made of copper, bearing galvanized metal, no acid painting or special ink necessary. The ordinary lead pencil is the very best thing to use for writing the names. No hunting for some special stake, merely take the first one you come to and change the card. This is very quickly and easily done. 12 in., doz. for **$1.20;** 18 in., doz for **$1.50.** Postage extra.

Plant Markers Oval Top. Made of heavy galvanized sheeting 9 inches long. Price, per doz., **70c;** per 100, **$4.00.** Special black ink for marking labels, oz. bottle, **95c. Markers for Rock Gardens,** 4 inch, galv., doz., **60c;** 100, **$3.95.**

FORK. Lightweight Spading. True temper quality, handy for spading around shrubbery and perennials. Each, **$1.35.**

DIBBER. For transplanting vegetable plants; steel point (weight, 10 oz.). Each, **95c.**

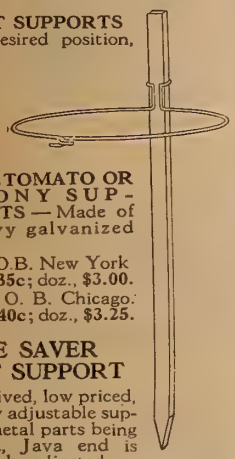
Tools and Requisites

KEYSTONE. For plants, ferns, flowers and household uses. With angle neck. Each, **95c**, postpaid.

SPRINKLERS, Scollay's Rubber.

Best sprinkler for plants, ferns, and flowers, holds 10 fluid ounces. Large, **$1.45.** By mail, **$1.50.**

ADJUSTABLE PLANT SUPPORTS
Wire slides to any desired position, made in 2 heights.
No. 42—36 in. stake. Each, **30c**; doz., **$2.25.**
No. 43—48 in. stake. Each, **35c**; doz., **$2.75.**



TOMATO OR PEONY SUPPORTS — Made of heavy galvanized wire.
F.O.B. New York Ea., **35c**; doz., **$3.00.**
F. O. B. Chicago. Ea., **40c**; doz., **$3.25.**

TIME SAVER PLANT SUPPORT

A long lived, low priced, completely adjustable support, all metal parts being galvanized, Java end is green. Can be adjusted as to height and size of loop almost instantly and is practically hidden by the foliage of the plant it supports.

	Per doz.	Per 100
30-inch	$0.95	$7.25
36-inch	1.15	9.00
48-inch	2.20	16.50
60-inch	2.75	21.00

Plant Support

MODEL EXTENSION CARNATION SUPPORTS

Bases or bottom circle made of No. 12 galvanized wire, top circle of No. 13 galvanized wire; diameter of top circle 6¾ inches, bottom circle 7½ inches; total height of support extended, 24 inches; shipping weight, two-ring supports, approximately 360 pounds per thousand; three-ring supports, approximately 410 pounds per thousand. Price, 2-ring supports, **$7.50** per 100; **$70.00** per 1000; 3-ring supports, **$8.50** per 100; **$80.00** per 1000. Write for price in large quantities.

SPADES—Special D or long handle. Each....**$1.75**

SIEVES
For sifting soil. 18 inches in diameter, all sizes mesh from ⅛ to ½ inch. Each, **$2.75.**

STAKES, WOODEN. Painted green.

Heavy Grade (for Dahlias)	Per doz.	Per 100
3 ft.	$1.65	$10.50
4 ft.	2.20	13.50
5 ft.	2.60	17.50

Light Grade (for smaller plants)

	Per doz.	100		Per doz.	100
1½ ft.	$0.40	$2.10	3½ ft.	$1.30	$ 8.50
2 ft.	.60	3.50	4 ft.	1.60	10.00
2½ ft.	.85	4.60	5 ft.	2.00	12.75
3 ft.	1.10	6.75		Per 100	1000

STAKES—Cane. 6 to 8 feet long....**$2.00** **$ 9.75**
STAKES—Cane. 9 to 11 feet long... **2.50** **17.50**
Prices on Cane Stakes F. O. B. Chicago.
Prices at New York 10 per cent higher.

STAKES—JAPANESE BAMBOO Green Painted.

	100	1000		100	1000
1½ ft.	$0.85	$4.00	3 ft.	$1.40	$ 7.50
2 ft.	1.00	5.00	3½ ft.	1.50	8.50
2½ ft.	1.20	6.00	4 ft.	1.65	10.00
Japanese Bamboo, not painted, 6 ft.				2.00	14.00

STAKES—HEAVY TONKIN Natural Color.
Heavy weight bamboo, entire stake same weight; do not taper. Ideal for roses, dahlias, young trees, etc. Will last a lifetime. F.O.B., N. Y. F.O.B. Chicago.

Length	Diameter	Doz.	100	Doz.	100
4 ft.	½ to ⅝ inch	$0.60	$2.75	$0.70	$3.25
4 ft.	¾ inch	.80	3.75	.85	4.25
5 ft.	⅝ to ¾ inch	1.00	4.00	1.10	5.00
6 ft.	⅝ to ¾ inch	1.20	4.75	1.35	5.75
8 ft.	⅝ to ¾ inch	1.30	5.50	1.45	6.50

STAKES—Galvanized Wire.

No. 9 Wire	Doz.	100	No. 8 Wire	Doz.	100
1½ ft.	$0.25	$1.00	3½ ft.	$0.50	$2.20
2 ft.	.30	1.25	4 ft.	.60	2.45
2½ ft.	.35	1.50	5 ft.	.70	2.85
3 ft.	.40	1.75	6 ft.	.80	3.45

Prices wire stakes subject to change without notice.

SYRINGES—Brass.

		Each
No. 0.	Length 12½ in.; 15-16 in. in diam.	$2.95
No. D.	15½ in. long, 1½ in. in diam.	4.50
No. 5.	Best for general Greenhouse use	7.50
No. 11.	18 in. long, 1 stream, 2 sprays	6.50

Hole in One Planting Tools
Make a hole in one operation. Simply cut the tool into the soil, remove it with a twisting motion, and with the tool comes a plug of soil leaving a perfectly flat-bottomed hole. Small hand tool for cultivated soil. Each, **50c**, postpaid, **65c.** Large tool, **$3.00.**

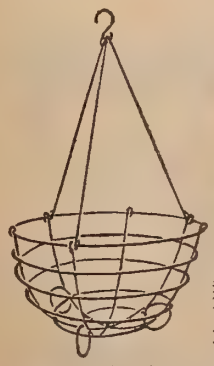
TUBS—(Flower) Richmond.
These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. Painted green with durable oil paint. Prices F. O. B. Chicago or New York. If handles are required add 35c per tub. First figure following number of tub gives diameter in inches at top of tub; second figure depth in inches.

No.	Each	Four	No.	Each	Four
1.. 6x 6	$0.70	$2.60	9..14x13	$1.80	$6.80
3.. 8x 8	.75	2.80	11..16x15	2.20	8.40
5..10x 9	.95	3.60	13..18x17	3.00	11.60
7..12x11	1.40	5.40	14..19x18	3.65	14.00

HANGING BASKETS
The Little Wonder No-Drip

A self-watering basket which gives the plants plenty of air and perfect drainage, thus promoting the greatest possible growth. The patented irrigator and no-drip feature of this basket make it an ideal basket for either porch or inside use.

	Each		Each
5-inch	$1.15	9-inch	$2.25
6-inch	1.35	14-inch	3.00
7-inch	1.75		

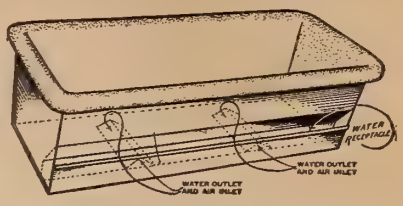


BASKETS—Wire, Hanging. Each, 6-in., **20c**; 8-in., **25c**; 10-in., **30c**; 12-in., **35c**; 14-in., **45c**; 16-in., **65c.**

BOXES — Cut Flower.— Vaughan's "Green" Grade green lined, moisture-proof board. Very popular. On orders for less than 100 boxes of a size add 10%.

Size inches	Weight per 100	Per 100	Size inches	Weight per 100	Per 100
3 x21x5	45 lb.	$5.50	3½x30x5	75 lb.	$7.25
3½x24x5	60 lb.	6.50	4 x24x8	85 lb.	9.00
5 x42x8	170 lb.	16.00	5 x28x8	105 lb.	10.00
			5 x36x8	135 lb.	13.00

"SUCCESS" SELF-WATERING FLOWER BOXES



The "Success" Window Boxes are substantially constructed of galvanized sheet steel, lock seamed and soldered watertight. A water pocket extends the full length of boxes, from which tubes lead into the box itself. This pocket with the tubes serve the following purposes, i.e.: Provides for watering the roots from below, allowing them to take up moisture as required; provides air circulation and ventilation, keeping the soil sweet and healthy; provides a perfect drainage should the plants be excessively watered by heavy rains or other causes. In fact, it serves as an accurate gauge as to the condition of the soil at all times. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use, serving to beautify the exterior during the summer and adding a touch of brightness during the winter.

Outside dimensions of Window Boxes:

Length	Width	Depth	Price
24-in.	8½-in.	6¼-in.	$1.65
30-in.	8½-in.	6¼-in.	1.80
36-in.	8½-in.	6¼-in.	2.50
42-in.	8½-in.	6¼-in.	2.95

"SUCCESS" PORCH BOXES (Model D)

Made on the same principle, but they are wider and deeper than window boxes and of heavier material. They insure thrifty growth of flowers and vines during hottest summer months. Never drip, like old wooden boxes, finished in an attractive shade of green.

8-in. deep, 11-in. wide.			8-in. deep, 12-in. wide.		
No.	Length	Price	No.	Length	Price
23	42-in.	$5.35	25	60-in.	$7.00
24	48-in.	5.95			

We supply **all plants** for Window and Porch Boxes, Tubs, Urns, etc.

Specially prepared potting mold that will give best results. Peck, **40c**; bushel, **$1.25**; barrel, **$3.00.**

Let us advise you in your selection of plants.

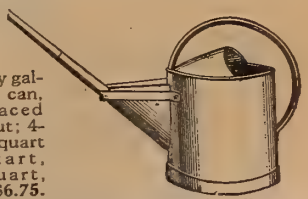
We can please you and save you money.

"SAVO" SELF-WATERING FLOWER BOXES

Savo Self-Watering Flower Boxes—one of the best of this type of flower boxes. Made of the best grade of galvanized steel with neat round corners and a full roll rim—beautifully finished in aluminum, green, pink, ivory, etc.

	Height	Width	Length	Price
Model A,	8 inches,	8 inches,	23 inches,	$3.00
Model B,	8 inches,	9½ inches,	29 inches,	3.50
Model C,	8 inches,	9½ inches,	35 inches,	4.00
Model D,	8 inches,	9½ inches,	41 inches,	4.50
Model E,	8 inches,	12 inches,	12 inches,	2.50
Model F,	12 inches,	12 inches,	12 inches,	3.00

WATERING POTS



American. Heavy galvanized round can, two copper-faced roses, long spout; 4-quart, **$4.85**; 6-quart **$5.35**; 8-quart, **$6.00**; 10-quart, **$6.35**; 12-qt., **$6.75.**

Spout is cut off in illustration to reduce space.

French Style. Oval, otherwise same make as above, 6-quart, **$5.95**; 8-quart, **$6.35**; 10-quart, **$6.75**; 12-quart, **$7.35.**

Quality Garden Tools

EXPERIENCED gardeners know that the long life and dependable service of a tool of good quality makes it far less expensive in the long run than inferior tools, which are unsatisfactory in use, cause delays when they break, and must often be replaced.

HAND PRUNING SHEARS

Illustrated to the right

No. 1—**Ladies' 6-Inch Nickel Plated**, each, **$1.45.**
No. 2—**Henckel Steel**, imported, full polished, 7½-inch with ratchet, each **$3.25.**
No. 3—Same as No. 2, 8½-inch, each, **$3.75.**
No. 4—Same as No. 2, 9½-inch, each, **$4.25.**
No. 5—**California Pattern, Henkel Steel**, imported, with brass spring and ratchet, 8½-inch, each, **$4.00.**
No. 6—**American Made**, full polished, 9-inch, each, **$1.65.**
No. 7—**American Made**, full polished, brass spring, 9-inch, each, **$1.85.**

CUT FLOWER SHEARS

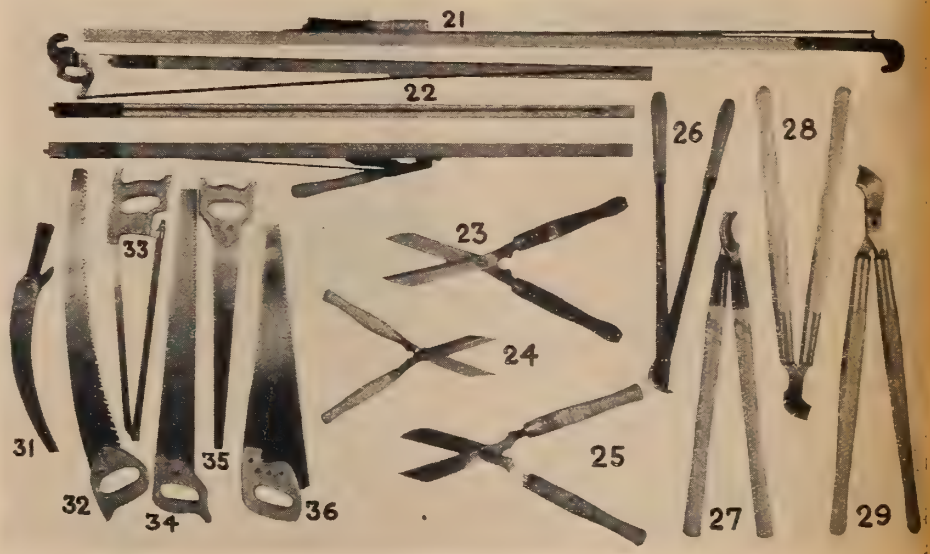
No. 8—**Flower Gatherer**, holds cut stem, large size, each, **75c.**
No. 9—**Flower Gatherer**, holds cut stem, nickel plated, each, **$2.00.**
No. 10—**Vine Scissors**, each, **$1.50.** No. 11—**Snap Cut Pruner**, each, **$1.50.**
No. 12—**Tin or Wire Snips**, ea, **$1.50.** No. 13—**Flower or Wire Scissors**, **$1.50.**
No. 14—**Dental Snips**, each, **$1.50.**

TREE AND HEDGE PRUNERS

No. 21—**Waters Tree Pruner**, 6-foot pole, each, **$1.75.**
No. 21A—Same as No. 21, 8-foot pole, each, **$2.00.**
No. 21B—Same as No. 21, 10-foot pole, each, **$2.15.**
No. 21C—Same as No. 21, 12-foot pole, each, **$2.35.**
No. 22—**Bartlett Tree Pruner**, 12 foot, three 4-foot poles jointed, complete each, **$6.00.**
No. 23—**American Made Hedge Shears** with pruning notch, best quality, 8-inch, each, **$1.95.**
No. 23A—Same as No. 23, 9-inch, each, **$2.10.**
No. 23B—Same as No. 23, 10-inch, each, **$2.25.**
No. 24—**Ladies' Hedge Shears**, each, **$1.75.**
No. 25—**Imported English Hedge Shears** with pruning notch, 8-inch, each, **$2.95.**
No. 25A—Same as No. 25, 9-inch, each, **$3.10.**
No. 25B—Same as No. 25, 10-inch, each, **$3.25.**
No. 26—**Disston All Steel Pruner**, wood handles, 26 inches over all, each, **$2.85.**
No. 27—**Double Cut Brush Pruner**, 30-inch, **$3.00.**
No. 28—**Buckeye Pruner**, 20-inch handles, **$1.85.**
No. 28A—Same as No. 28, 26-inch handles, **$2.25.**
No. 29—**Clyde Draw Cut Pruner**, 24-inch handles, each, **$3.50.**

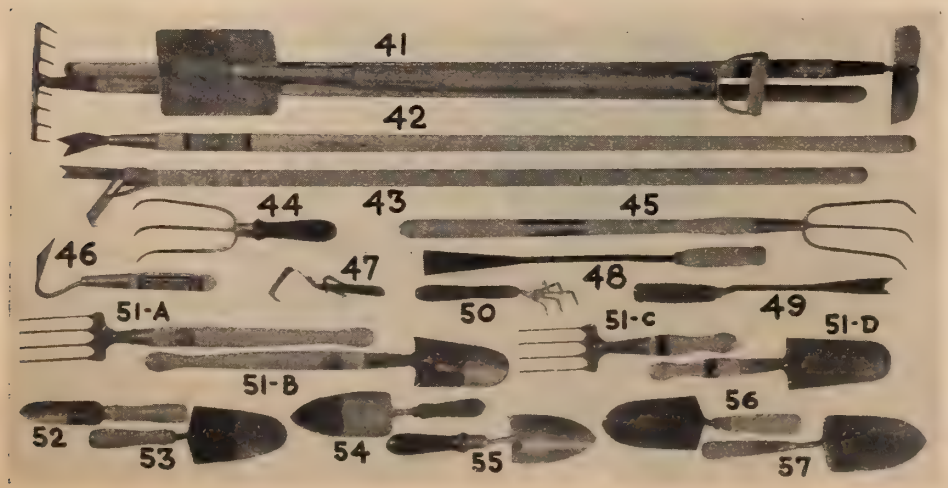
SAWS

No. 31—**California Pole Pruner**, each, **$2.35.**
No. 32—**Utility Speed Pruner**, length 26 in., **$2.95.**
No. 33—**California Hand Pruner**, adjustable blade, each, **$2.25.**
No. 34—**Forester Pruner**, makes heavy pruning easy, 26 inch blade, each, **$1.95.**
No. 35—**Double Pruning Saw**, 16 inch blade. **$1.60.**
No. 35A— " " " 18 " " **$1.75.**
No. 35B— " " " 20 " " **$1.90.**
No. 36—**Tuttle Tooth Pruner**, length 20 in., **$2.95.**



PLANTING AND CULTIVATING TOOLS

No. 41—**Youths' and Ladies' Garden Set** complete, rake, spade and hoe, **$1.50.**
No. 42—**Long Handled Weeder**, each, **$1.00.**
No. 43—**Wonder Weeder**, each, **75c.**
No. 44—**Eureka Weeder**, short handle, each, **60c.**
No. 45—**Eureka Weeder**, long handle, each, **70c.**
No. 46—**Cultivator**, each, **45c.**
No. 47—**Lang's Weeder**, each, **25c.**
No. 48—**Asparagus Knife or Dandelion Digger**, straight edge, each, **45c.**
No. 49—**Asparagus Knife or Dandelion Digger**, notched edge, each, **45c.**
No. 50—**Excelsior Weeder**, each, **15c.**
No. 51A—**Imported English Fork**, maple handle, each, **90c.**
No. 51B—**Imported English Trowel**, maple handle, each, **85c.**
No. 51C—**Imported English Fork**, maple handle, each, **70c.**
No. 51D—**Imported English Trowel**, maple handle, each, **65c.**
No. 52—**Transplanting Trowel**, each, **25c.**
No. 53—**Polished Garden Trowel**, each, **35c.**
No. 54—**Imported Steel Trowel**, each, **85c.**
No. 55—**Ladies' True Temper Trowel**, each, **75c.**
No. 56—**All Steel One-Piece Trowel** with wood handle, each, **90c.**
No. 57—**Forged Steel Shank Trowel**, each, **95c.**



THERMOMETERS

Standard

Hotbed

THERMOMETERS. **Tin Case.** 8-in. **50c.**
Cabinet. Wood case, **75c**; 3 for **$2.00.**
Hotbed. Brass point, wooden frame, **$2.75.**
Self-Registering. With magnet to set it, 8-inch, each, **$6.50**; registers highest and lowest temperature.
Minimum. For registering cold, **$2.50.**
Tin Case. Standard grade, tested. 8-inch, each, **$1.75.**
White Porcelain Enameled with red spirit tube easy to read. Each, **60c.**
Thermometers shipped by parcel post at purchaser's risk only.

VASE. **Cemetery.** Earthen, green, 10-inch, sharp point, each, **50c**; 3 for **$1.35.** Shipped by parcel post at purchaser's risk only.

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How to Order

We respectfully request customers to follow these instructions and to fill out order sheets carefully.

Early Orders Kindly send in your order as soon as convenient after receiving catalogue. Our rush season comes in the months of March and April. Orders received earliest secure the promptest shipment and from our complete stocks.

Order Sheets Use the order sheets accompanying this catalogue. One for **Seeds, Bulbs and Garden Sundries,** the other for **Trees, Plants and other Nursery Stock.** Please fill in all particulars carefully and distinctly with your **Zone Number** and keep a copy of your order.

Seed and Bulb Orders should have the quantity required written distinctly in the column provided, and with prices attached. Flower Seeds may be ordered by name, or by the marginal number.

Plant and Tree Orders should be written on the order sheet provided for these, and should state quantity, size or age required of each variety, with the prices carried out. No plants, trees or shrubs sent C. O. D.

C. O. D. Orders. Owing to the extra cost of collecting we will not fill any C. O. D. mail order for less than **$5.00.** We do not prepay any C. O. D. orders and will not ship plants, trees, shrubs or other perishable goods C. O. D.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Order Trees, Shrubs and **Hardy Vines,** if possible, **before end of March**—it gives us more time for selecting, packing and shipping when the planting season opens up. Early orders receive first attention.

All Trees Shrubs and Hardy Plants are shipped as soon as weather permits. Tender plants from Greenhouses for bedding, etc., are shipped after frosts are past, usually after May 15th. (Southern shipments any time after February.) State plainly date and manner of shipping you wish.

Parcel Post **Fourth Class Mail Matter,** which includes seeds, plants, bulbs, roots, books, tools, insecticides (that are non-poisonous), odorless fertilizers and requisites may be forwarded by **domestic parcel post** within the United States. We recommend this mode of conveyance for all seeds and bulbs, where weight permits, also implements, insecticides, etc., where we give mailable weights throughout the catalogue.

Daily filling of seed orders is the Vaughan Rule.

On Ordering Early

Satisfaction is complete only when we see our garden reproduce in fact a picture we have dreamed. As you read this catalogue such a picture will come into your mind. The first step toward realizing it, is to order at once the seed from which your vision is to grow. Early orders insure you exactly the seeds you want, and that you will have them when time comes to plant. Delay nearly always results in some disappointments and plans gone wrong. See our premium for early orders printed on the order blank in this catalogue.

Free Delivery

All flower seeds prepaid. All vegetable seeds up to 2 lbs. prepaid. Over 2 lbs., by express or freight at buyer's expense.

All bulbs, and Dahlias, bought at single and dozen prices, are prepaid to fifth zone from Chicago or New York. Larger quantities by express at buyer's expense.

All orders amounting to $1.00 or over (except from Cut Flower Dept., $2.00) delivered free in Chicago including Evanston, Wilmette, Edison Park, Park Ridge, Oak Park, Forest Park, River Forest, Riverside, Maywood and Berwyn.

All Water Lilies by mail or express at buyer's expense.

All Roses shipped F. O. B. Western Springs, Ill.

All Trees and Shrubs, F. O. B. Western Springs, Ill.

All plants, perennial and annual, including Cannas, by express at buyer's expense, F. O. B. Western Springs, Ill.

All plant collections shipped by express at buyer's expense, F. O. B. Western Springs, Ill., except where it is specifically stated otherwise in the collection offered.

All tools and supplies, including insecticides and fertilizers (except as specified on page 104), are F. O. B. Chicago or New York and shipped at buyer's expense.

On all orders of Lawn Grass Seeds amounting to $2.00 or over we prepay transportation within 300 miles of Chicago or New York.

☞ These Special Free Deliveries do not include C. O. D. shipments, which travel at buyer's expense.

BY EXPRESS—We advise for safety against injury, to use express shipments on parcels weighing over 15 pounds or on all breakable ware.

Gardeners Supplied

We usually have on our books, names of dependable, experienced gardeners, and are very careful to recommend none but those with good records. No charge is made for this to either party.

Our Terms

Customers not having an account are requested to send Money Order or furnish reference. We prefer not to send C.O.D., but if wanted by that method, customers should enclose one-fourth of the amount in remittance with order. **No trees, plants or other perishable stock and no order less than $5.00 are sent C. O. D.**

Our Responsibility

It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hand, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some possible inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, **not for crop,** but to the **extent of the amount of money paid** for the seeds, **if we are immediately notified** in case of any failure.

We wish it understood that all our stocks are sold under the following conditions

We Do Not Warrant in any way, expressed or implied, the contents or the description, purity, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods.

☞ PLEASE MARK ZONE NUMBER in the space provided on the top right-hand corner of all orders which you send to us.

Express Shipments General orders for garden seeds, where **peas, beans and corn** form a large proportion, are best sent this way. Orders over **FIVE POUNDS** (5 lbs.) weight going to **5th Zone and beyond,** will travel cheaper by express than by parcel post.

Send Remittance by New York or Chicago draft, **registered letters** or postoffice or express **money orders. DO NOT SEND LOOSE CURRENCY OR STAMPS IN LETTER, UNLESS REGISTERED.** Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded by you, by which you know it has reached us. Make money orders payable to "Vaughan's Seed Store." **(Mark your Zone Number on order.)**

Parcel Post Rates By Zones

Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

All parcels under 8 ounces are carried everywhere regardless of zone rates at one cent for 2 ounces.

Packages of such size Vaughan's Seed Store prepays FREE. BUT seeds ordered at peck, bushel or five-pound rates, or bought in even larger quantities at cheaper prices, should go by freight when possible at buyer's expense.

To liberal orders from distant points WE ADD FREE, SPECIAL NEW VARIETIES of value to partly cover postage or express charges.

DOMESTIC PARCEL POST RATES
On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.

	First pound or fraction	Each additional pound or fraction
Local—Chicago or New York City	7c.	1c (2lbs)
First and Second Zone within 150 miles of either	8c.	1.1c
Third Zone within 150 to 300 miles	9c.	2.9c.
Fourth Zone within 300 to 600 miles	10c.	3.5c
Fifth Zone within 600 to 1000 miles	11c.	5.3c
Sixth Zone within 1000 to 1400 miles	12c.	7c
Seventh Zone within 1400 to 1800 miles	14c.	9c
Eighth Zone all over 1800 miles	15c.	11c
Canada	14c	14c

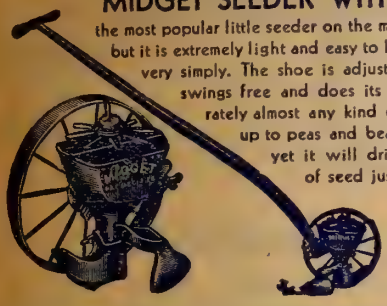
NOTE.—A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent. Limit of weight for delivery to all zones 70 pounds; to Canada 15 lbs. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage. **(Mark your Zone Number on order.)**

SOWRITE SEEDS SOWER MODEL B

SOWS SEEDS AT A TOUCH

SOWRITE Model 1923. Made of copper, nickel plated, for all seeds up to size of sweet peas; scatters seed individually; prevents crowding and choking of seedlings; eliminates guess work because you can see each seed drop no matter how fine; saves time because you can sow seeds twice as fast. Price, **60c**, postpaid.

MIDGET SEEDER WITH HANDLE



the most popular little seeder on the market. It is all metal construction, but it is extremely light and easy to lift about or to empty. It operates very simply. The shoe is adjustable for any depth, the coverer swings free and does its work nicely; will handle accurately almost any kind of garden seed from the smallest up to peas and beans. The hopper holds one pint, yet it will drill out clean a five-cent package of seed just as well as a hopper full. It is equipped with a 4½-foot handle. Full directions attached to every Seeder.

Price $4.25

ORNAMENTAL LAWN FANS

Most popular, and inexpensive. Are most substantially built and painted with good white paint.

No. 106—Height 69 in. Spread 45 in. Price each, **$1.10.**
No. 108—Height 94 in. Spread 60 in. Price each, **$1.45.**
(No. 106 may be shipped parcel post.)

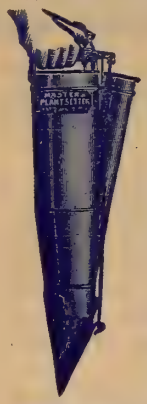
FOLDING TRELLIS OR FENCE ITEMS

These three numbers are suitable for mounting on porches, also used extensively for fence—and may be extended to produce a fence any height from 10 in. to 60 in. Securely fastened at every intersection and painted white with high grade linseed oil paint. Popular for parkings and flower beds.

No. 1—Ht., folded 34 in. Extends to 8 ft. ..... Ea., **$1.20**
No. 2—Ht., folded 46 in. Extends to 12 ft. ..... Ea., **1.65**
No. 3—Ht., folded 70 in. Extends to 16 ft. ..... Ea., **2.45**

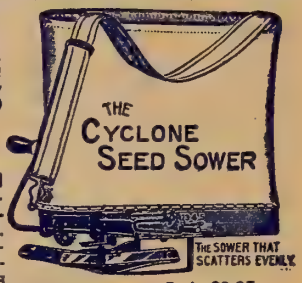
CAHOON SEEDER

It will seed evenly five to six acres per hour. It will scatter the following distances: Wheat, Barley, Rye, 25 feet; Clover and Timothy, 18 to 20 feet. The bag and hopper hold about 22 quarts. Weight, 5½ lbs.
Price, **$4.50.**



MASTERS RAPID PLANT SETTERS

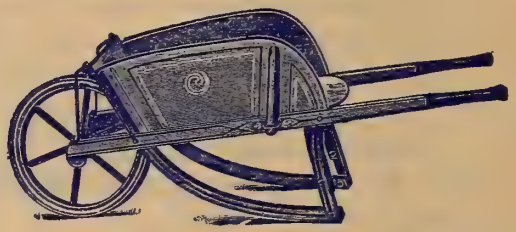
For transplanting all kinds of plants—Cabbage, Tomato, Cauliflower, Peppers, Asters, Chrysanthemums and similar plants. Each plant is set, watered and covered in one operation without stooping and without lame backs. This setter is a labor saver and does perfect work. Fully guaranteed. Price, **$5.50** each.



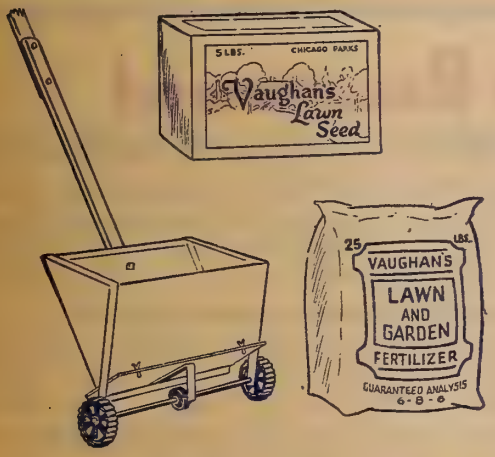
SEED SOWER

Cyclone. (New Improved Model.) An accurate portable seeder, for all broadcast sowing or fertilizing. Fits comfortably over shoulder; provided with automatic adjustment for stopping flow of contents when required. A great time and labor saver. Each, **$2.25.**

WHEELBARROW



WHEELBARROW—Globe Garden. The best in design, material and workmanship for the class of trade who desire the best. 2¼-inch tire which permits easy wheeling of heavy loads. Price, **$6.95.**



Lawn Making Bargain $4.95

Including Seed, Plant Food and Spreader for Applying Both

This combination offer includes seed and plant food sufficient to cover 1,500 square feet of new lawn, or twice that area of established lawn in need of renewal and repair.

The Vaughan seed and plant food spreader is a light weight but well built and efficient appliance for spreading evenly over the lawn area, either plant food or lawn seed. The use of this spreader insures that both seed and plant food are so distributed that no spots are neglected and none are over supplied, as is so often the case with broadcast application. Five pounds of Vaughan's Chicago Parks lawn seed, and 25 pounds of Vaughan's Lawn and Garden plant food, are packed with the spreader. The combination price of $4.95 affords a substantial saving over the cost of these items separately. The collection will be shipped by express at buyer's expense.

Basket-Making Materials

On all following Basketry materials, add postage to your order if to go by parcel post.

Raffia Fibre for Baskets, Etc.

The Raffia which we import is the finest grade to be obtained. Besides the natural shade, we have it in 12 different colors, dark red, Irish-green, olive-green, pea-green, navy-blue, seal-brown, orange, black, old gold, pink, purple, and bright red.

	Bunch	Lb.	5 lb. Lots, per lb.
Natural, Best Grade, about 2 oz.	$0.15	$0.40	$0.35
Colored, about 1 oz.	.15	.85	.80
Needles, for Raffia work, per package			.15

Basket Books

Couch's Basket Pioneering. A popular handbook containing concise basketry directions with clear simple diagrams designed for the beginner as well as the more experienced basket lover. Profusely illustrated. 172 pages 6 x 9 inches. Boards, **$1.00**; cloth, **$1.25.** Postage, **10c** additional.

Basket Bottoms

Veneered Basket Bottoms for Reed weaving. Made exceptionally well of 3 and 5-ply panels. Well sanded and holes properly bored to fit uprights.

	Each	Doz.		Each	Doz.
3-inch Round	$0.06	$0.65	8x14-inch Oval	$0.32	$3.70
4-inch Round	.08	.90	10x16-inch Oval	.38	4.40
5-inch Round	.10	1.10	12x20-inch Oval	.60	6.95
6-inch Round	.12	1.35	3-inch Square	.06	.65
8-inch Round	.17	1.95	5-inch Square	.10	1.10
10-inch Round	.25	2.85	6-inch Square	.12	1.35
12-inch Round	.30	3.40	8-inch Square	.17	1.95
3x6-inch Oval	.12	1 35	10-inch Square	.25	2.85
4x8-inch Oval	.18	2.05	12-inch Square	.30	3.40
6x10-inch Oval	.25	2.85			

Reeds

Reed is found mainly in China and the Philippine Islands. Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work.

All below numbers, per bunch, 15c.

	½-lb. Lots	Lb.	5-lb. Lots Per Lb.		½-lb	Lb.	5-lb. Lots Per Lb.
No. 1	$0.63	$1.20	$1.15	No. 6	$0.45	$0 80	$0.75
No. 2	.58	1 10	1:05	No. 7	.40	.75	.70
No. 3	.53	1.00	.95	Flat Reed, ⅜-inch	.45	.85	.80
No. 4	.50	.95	.90	Split Reed, No. 6	.45	.85	.80
No. 5	.45	.80	.75				

Garden Aristocrats at Prices Never Equaled

RECOMMENDED BY R. C. BECKER, MANAGER OF VAUGHAN'S NURSERIES

IS THERE a garden lover who has not read with envy descriptions of wonderful new shrubs, or flowering trees, and longed for the day when they should adorn his garden?

Here are offers which make it possible for this dream to come true. Prices have been so reduced that the finest improved varieties may be purchased for what ordinary kinds would have cost a short time ago. Shrubs like these do not belong in the border for mass effects. They should be planted as accents, with a setting, where in their flowering season they will become the center of garden interest.

FLOWERING TREES — Each

The following 4 trees (value $10.00) for $8.50

1 Japanese Flowering Cherry Kwanzan, 4-5 ft. . . . **$2.25**
1 Paul's Double Scarlet Hawthorn (Crataegus Oxyacantha Splendens) 4-5 ft. . . . **2.00**
1 Bechtel's Double Flowering Crab, 4-5 ft. . . . **1.25**
1 Saucer Magnolia (Magnolia Soulangeana) 2-3 ft. B. & B. . . . **4.50**

FRENCH HYBRID LILACS

The following 4 lilacs (value $5.00) for $2.95

1 Berryer—semi-double mauve, 3-4 ft. . . . **1.25**
1 Edouard Andre—double rose, 3-4 ft. . . . **1.25**
1 Jean Mace—double blue, 3-4 ft. . . . **1.25**
1 Louvois—single, violet-purple, 3-4 ft. . . . **1.25**

FLOWERING SHRUBS

The following 4 shrubs (value $3.15) for $2.75

1 Buddleia Ile de France, 2 yr. . . . **$0.90**
1 Heathermint (Elsholtzia) 18-24 in. . . . **.75**
1 Oak-leaved Hydrangea, 2 yr. . . . **.75**
1 Rosa Rugosa Dr. Eckener, 2 yr. . . . **.75**

HYBRID RHODODENDRONS

2 Mixed Hybrids, 8 to 12 in. B. & B. . . . **1.25**
4 Mixed Hybrids, 8 to 12 in. B. & B. . . . **2.45**

EVERGREEN ROCK GARDEN SHRUBS

The following 4 plants (value $3.15) for $2.75

1 Bigleaf Wintercreeper (Euonymus Radicans Vegetus) 2 yr., B. & B. . . . **.60**
1 Oregon Hollygrape (Mahonia Aquifolia) 15-18 in., B. & B. . . . **.75**
1 Rock Cotoneaster (Cotoneaster Horizontalis) 15-18 in., B. & B. . . . **.90**
1 Rose Daphne (Daphne Cneorum) 8-10 in., B. & B. **.90**

Ten New Perennials I Can Recommend

—E. W. KOHLENBERG, SUPERINTENDENT, VAUGHAN'S GREENHOUSES

We asked Mr. Kohlenberg, who grows hundreds of varieties of perennial and annual plants in our greenhouse plant at Western Springs, Ill., to select for this offer ten varieties which would probably be new to most of our customers. He selected from the complete list, which is found elsewhere in this catalog, the ten described below. "I consider these improved varieties to possess exceptional merit for the outdoor garden," said Mr. Kohlenberg.

One each of the ten varieties described below, shipped by express at buyer's expense for $3.00.

ANEMONE Hupehensis. A beautiful species of Japanese Anemone, hardier and earlier blooming. Prefers partial shade, moisture, and a sandy, well drained soil. Bright pink, blooms in abundance from mid-September until frost. Three for $1.00; doz., $3.50; 100, $25.00.

ANTHEMIS TINCTORIA—Perry's Variety. A great improvement over the old variety. Large lemon yellow daisies 2 feet tall, in bloom all summer. Three for 85c; doz., $2.50; 100, $15.00.

HARDY ASTER—Amellus Gloria Compacta. Distinguished by a longer blooming season and much dwarfer habit than the Michaelmas Daisies. One foot tall, entirely covered with mauve-pink blooms. Good for perennial border or rock garden. Three for $1.00; doz., $3.50; 100, $20.00.

HARDY ASTER—Sunset. A semi-dwarf, bushy plant covered with showy pale pink blooms. Three for 85c; doz., $2.50; 100, $15.00.

CHRYSANTHEMUM—Shasta Alaska Supreme. An improved Shasta Daisy with immense blooms. The foliage is very compact and the flowers are of medium height with stiff stems. Three for $1.00; doz., $3.50; 100, $20.00.

AUTUMN GLOW. 2-3 ft. Sept. A new variety of striking appearance. Large blooms of deep mahogany red. Three for $1.00; doz., $3.50; 100, $20.00.

SAXIFRAGA—Cordifolia. A fine plant for shady rock gardens or borders. Neat clusters of leaves, hyacinth-like pink flowers in May. 2-year plants. Three for $1.00; doz., $3.50; 100, $20.00.

SEDUM Aureum. An improved variety. Green mossy foliage with the newest growth showing yellow, appearing to be constantly in bloom. Three for $1.00; doz., $3.50; 100, $20.00.

TRADESCANTIA Virginiana Heavenly Blue. A new hybrid variety with large sky blue flowers all summer. Compact grower rarely exceeding 2 feet. Three for 85c; doz., $2.50; 100, $15.00.

VIOLET—Double Russian. The purple sweet smelling double hardy violet. Prefers shade and moisture. Three for $1.00; doz., $3.50; 100, $20.00.

VAUGHAN'S SEED STORE S 34

47-49 Barclay Street, NEW YORK   601 West Jackson Blvd., CHICAGO

NRA MEMBER U.S. WE DO OUR PART

NAME ______________________ Date ____________ 19____
Write very plainly

Post Office ______________________ State ______________________

Street, P. O. Box
or Rural Delivery ______________________

Express or Freight Office {If different from P. O.} ______________________ Forward Goods by ______________________
(Parcel Post, Express, Freight or Boat)

AMOUNT ENCLOSED

(SEND NO CASH OR CURRENCY UNLESS REGISTERED)

Make Money Orders or Checks Payable to Vaughan's Seed Store

Money Order $ ____________
Draft or Check $ ____________
Postage Stamps $ ____________
Cash - - - $ ____________

See page 112 for our SPECIAL PREPAID OFFER, [also Table of PARCEL POST RATES to different zones.

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

We do not warrant in any way, expressed or implied, the contents or the description, purity, productiveness or any other matter of any seeds, bulbs or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to the above conditions we make this sale at the moderate prices we charge. VAUGHAN'S SEED STORE (Incorporated).
N. B. Examine seeds closely, test if desired, write us if anything is wrong and we will adjust.

QUANTITY Do not Abbreviate	NAME OF ARTICLE	SIZE	PRICE Dols.	Cts.
	Substitutes — You may substitute the next best of any variety you cannot supply. ☐ Please do not substitute without first notifying me................ ☐ (Please mark a cross (X) in one of the above spaces.)			
	(Order flower Seeds by numbers only) Carried Forward,	lbs.	$	

If by mail, and PREPAID OFFER on page 112 does not apply, add postage for your Zone.

(OVER)

QUANTITY	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, please order by it.	WEIGHT For Parcel Post Only	PRICE Dols.	Cts.
	Brought Forward			

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1932.	First pound or fraction	Each additional pound or fraction
Local—Chicago or New York City	7c.	1c (2 lbs)
First and Second Zone within 150 miles of either	8c.	1.1c
Third Zone within 150 to 300 miles	9c.	2c
Fourth Zone within 300 to 600 miles	10c.	3.5c
Fifth Zone within 600 to 1000 miles	11c.	5.3c
Sixth Zone within 1000 to 1400 miles	12c.	7c
Seventh Zone within 1400 to 1800 miles	14c.	9c
Eighth Zone all over 1800 miles	15c.	11c

A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.

Total Weight,			
Amount for Postage			
Grand Total,		$	

Filled by .... **Checked by** .... **Packed by** ....

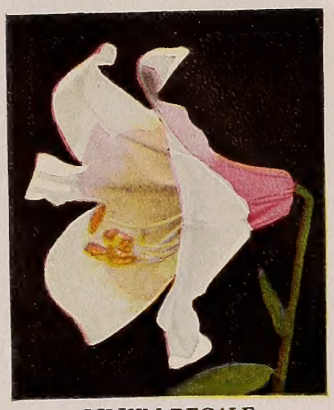
Shipped by .... **Style of Package** ....

Date .... **Book** .... **Weight** ....

LILIUM TIGRINUM SPLENDENS
Each, 15c; Doz., $1.50

LILIUM HENRYI
Each, 30c; Doz., $3.00

LILIUM TENUIFOLIUM
Each, 20c; Doz., $2.00



LILIUM REGALE
Each, 20c; Doz., $1.75

LILIUM RUBRUM
Each, 25c; Doz., $2.50

Lily Collection No. 3—6 Bulbs, Postpaid, $1.00

All first size bulbs. One bulb, each, as illustrated on this page, (6 bulbs) for $1.00, prepaid; two bulbs, each, as illustrated, (12 Bulbs) for $1.85, prepaid.

Early Flowering Garden Chrysanthemums

The Large Flowering Hardy Chrysanthemums Illustrated, commence blooming in September and continue until severe freezing weather. They make a wonderful display when all other flowers are gone. Rodell is a button pompon type but the others have blooms measuring 2½ inch diameter. We advise planting between April 1st and May 15th and protecting with leaves or straw in late fall. To make bushy plants with many blooms, tops should be pinched off when they are 12 inches high.

Chrysanthemum Collection No. 3B—8 Plants, Postpaid, $1.65

Contains one each of the eight Chrysanthemums illustrated.

For Complete Descriptions and Other Varieties, Please Refer to Index.

LILIUM SUPERBUM
Each, 20c; Doz., $2.00

CHRYSANTHEMUM CARRIE
3 for 85c

CHRYSANTHEMUM MURILLO
3 for 85c

CHRYSANTHEMUM A. BARHAM
3 for 85c

CHRYSANTHEMUM RODELL
3 for 85c

CHRYSANTHEMUM EDEN
3 for 85c

CHRYS. YELLOW NORMANDY
3 for 85c

CHRYS. CRANFORDIA WHITE
3 for 85c

CHRYSANTHEMUM FIREFLY
3 for 85c

APR 25 1934

GRUSS AN TEPLITZ

MRS. E. P. THOM

DAME EDITH HELEN

TALISMAN

$1.80 DORMANT Vaughan's Color Harmony Rose Quartet $2.65 POT PLANTS

Dormant Plants of Above 4 Roses, $1.80. (Regular price, $2.00)

These are 2-year old grafted plants of first quality, one each of the four varieties illustrated above. They can be shipped as early as desired and planted out as soon as the ground can be worked. Shipment by express, not prepaid.

Pot Plants of Above 4 Roses, $2.65. (Regular price, $3.00)

These are strong 2-year grafted plants growing in 5 in. pots in full leaf, ready May 1st. One each of the four varieties illustrated shipped, in paper pots, by express, not prepaid, for above price. Easy to plant and no check in growth.

DENTATA SUPERBA Each, $2.00
(Tender)

Water Lilies

Try a water garden this year. Lilies are grateful flowers, prolific in their gorgeous blooms and never suffering from drouth, or requiring cultivation. A pool is a never-failing source of interest to you and your garden visitors.

Complete list of water lilies, oxygenating and bog plants with directions for pool making and culture are given in our circular, which will be mailed on request.

ZANZIBARIENSIS. Each $2.00
(Tender Day Blooming)

ZANZIBARIENSIS. Illustrated at left. The royal water Lily of Africa. The fragrant blossoms have an exquisite color blend, with petals of deep blue with purple overtones, and stamens of deep crimson-violet. The flowers measure 5 to 10 inches. Plants bloom freely whether grown in pots or large boxes. Each, $2

See Index for Water Lily page giving full description of Lilies below.

ATTRACTION Each, $3.00
(Hardy)

GEN. PERSHING Each, $3.00
(Tender)

4A COVER COLLECTION TENDER WATER LILIES, $5.00

One each of the three tender Water Lilies illustrated at the left, Dentata Superba, night blooming, General Pershing, day blooming, and Blue Beauty, day blooming also two yellow Water Poppies. (5 Plants, value $7.50), sent express collect for $5.00

4B COVER COLLECTION HARDY WATER LILIES, $5.00

One each of the three hardy Water Lilies illustrated at the right, Attraction, Sunrise and Comanche, also three Blue Water Hyacinths. (6 Plants, value $8.50), sent postpaid 300 miles from Chicago, Illinois, for $5.00.

4C COVER COLLECTION HARDY WATER LILLIES, $3.00

One each of the two hardy Water Lilies illustrated below, Rene Gerard, and Gladstoniana, (Value $6.50). Sent postpaid 300 miles from Chicago, Illinois, for $3.00.

SUNRISE Each, $2.50
(Hardy)

BLUE BEAUTY, Each, $2.00
(Tender)

RENE GERARD Each, $5.00
(Hardy)

GLADSTONIANA Each, $1.50
(Hardy)

COMANCHE Each, $2.50
(Hardy)